

excavated soils this week were either used as backfill on Site (soils <10 ppm), loaded into a roll-off container (non-TSCA soils), or a rail car for off-site transportation (TSCA soils).

- This week AEI collected 15 post excavation samples, including QC samples. See attached **Figures 1, 2, 3 and 4** illustrating post-excavation sample locations. See attached **Table 1** for the results of field and lab PCB analyses available to date. Laboratory results for the deep excavation in the floodway adjacent to the TP-5 area are included. The results show that of the seven (7) samples collected, all were <1 ppm except for sample B-826-B (11 ppm) collected at a depth of 13 ft below grade. The location of this sample is shown on Figure 1. ***BASF requests EPA/DEM approval to leave this soil in place due to its depth and location adjacent to the retaining wall along the river.***
- Dewatering of one excavation in the floodway was completed this week. A total of 4,500 gallons were pumped. Water from the dewatering of excavations was pumped through bag filters and three carbon vessels to remove PCBs prior to off-site disposal, scheduled for next week.
- Excavations with acceptable post-excavation PCB analytical results were backfilled this week. A total of 1,388 cy of backfill material was emplaced and compacted. This brings the total amount of backfill material emplaced to 5,810 cy to date. Portions of the site were prepared for the placement of the liner materials and clean soil cap. A total of approximately 4,050 square feet of geotextile material (Mirafi) and the seams of the impermeable liner were sealed this week. The areas where the Mirafi was installed (approximately 42% of the Site to date) were covered with 1 foot of clean compacted soil. The revised plan that shows the location of all the areas covered with the impermeable liner is attached as **Figure 5**.
- There were no loads of non-TSCA soils or debris transported off-site for disposal this week. The totals remain at 1,284 tons of non-TSCA soil and 667.4 tons of non-TSCA debris moved off-site to date.
- The two full rail cars which remain on site this week will be transported off-site next week.
- Routine soil erosion and sedimentation control inspections are being conducted weekly and following rain events >0.25" of total rainfall in a 24-hour period. Issues noted during these inspections are relayed to SES the same day and corrected within 24-hours.

Dust: Fugitive dust is controlled by SES using water and covering inactive soil stockpiles. Continuous perimeter dust monitoring is performed during all site-related activity including on lot 2682 where the rail cars are loaded. To date, the accumulated data shows that there have been no exceedances of the perimeter dust action level (150 ug/m³).

Safety fencing is routinely installed around open excavations deeper than 3 feet at the end of each work day.

To date a total of 6,739 tons (4,084 cy) of PCB-impacted soils have been excavated from the site, which is approximately 117% of the originally delineated volume. Pending approval to leave the soil associated with sample B-826-B in place, only one very small area remains to be excavated in the floodway based on the results of post-excavation PCB analyses of >1 ppm but < 10 ppm at a depth of 0-2 ft. This excavation will be completed the week of 12-17-18. The area of this excavation is shown on Figure 1.

Pending approval to leave the soils at B-826-B in place and the removal of the small area of soils in the floodway described above, PCB removal operations are complete. The remaining work to be completed is the installation of the temporary vegetated soil cover to secure the Site until the Spring of 2019 when the final cover will be installed.

For any questions, please do not hesitate to call. Thanks,

Richard G. Kowalski, CPG, LSP, CHMM
Senior Hydrogeologist

AEI Consultants

112 Water Street, 5th Floor
Boston, MA 02109

c. 508.951.3673
f. [857.233.5531](tel:857.233.5531)
www.aeiconsultants.com

Aaron Ting

From: Battaglia, Frank <battaglia.frank@epa.gov>
Sent: Wednesday, December 5, 2018 10:20 AM
To: Tisa, Kimberly; Crawford, Jeffrey (DEM); Rick Kowalski
Cc: Joseph F Guarnaccia; Stephen Graham; Aaron Ting; Battaglia, Frank
Subject: Re: [EXTERNAL] : RE: Former Ciba-Geigy, 180 Mill St, Cranston, RI - Request for CMI Work Plan Changes

Rick, looks like the data supports your request to proceed with backfilling. Kim, Jeff and I all agree and therefore you are authorized to backfill the excavations referenced in this e-mail.

Sincerely,

Frank Battaglia
617 918-1362

From: Tisa, Kimberly
Sent: Wednesday, December 5, 2018 9:23 AM
To: Crawford, Jeffrey (DEM); Rick Kowalski; Battaglia, Frank
Cc: Joseph F Guarnaccia; Stephen Graham; Aaron Ting
Subject: RE: [EXTERNAL] : RE: Former Ciba-Geigy, 180 Mill St, Cranston, RI - Request for CMI Work Plan Changes

I am fine with the backfill as well.

Frank will need to confirm as well.

Thanks.

Kimberly N. Tisa, PCB Coordinator
USEPA
5 Post Office Square, Suite 100
Boston, MA 02109-3912

617.918.1527 (phone)
617.918.0527 (fax)
Tisa.Kimberly@epa.gov

From: Crawford, Jeffrey (DEM) [mailto:jeff.crawford@dem.ri.gov]
Sent: Wednesday, December 05, 2018 7:16 AM
To: Rick Kowalski <rkowalski@aeiconsultants.com>; Battaglia, Frank <battaglia.frank@epa.gov>; Tisa, Kimberly <Tisa.Kimberly@epa.gov>
Cc: Joseph F Guarnaccia <joseph.guarnaccia@basf.com>; Stephen Graham <sgraham@aeiconsultants.com>; Aaron Ting <ating@aeiconsultants.com>
Subject: RE: [EXTERNAL] : RE: Former Ciba-Geigy, 180 Mill St, Cranston, RI - Request for CMI Work Plan Changes

DEM has no problem with backfilling these locations. Jeff

From: Rick Kowalski <rkowalski@aeiconsultants.com>

Sent: Tuesday, December 04, 2018 5:20 PM

To: Battaglia, Frank <battaglia.frank@epa.gov>; Tisa, Kimberly <Tisa.Kimberly@epa.gov>; Crawford, Jeffrey (DEM) <jeff.crawford@dem.ri.gov>

Cc: Joseph F Guarnaccia <joseph.guarnaccia@basf.com>; Stephen Graham <sgraham@aeiconsultants.com>; Aaron Ting <ating@aeiconsultants.com>

Subject: [EXTERNAL] : RE: Former Ciba-Geigy, 180 Mill St, Cranston, RI - Request for CMI Work Plan Changes

Dear Kim, Frank and Jeff:

As requested, AEI collected concrete lab PCB samples from below the locations of soil samples which had concentrations ≥ 25 ppm (prior to subsequent excavation down to concrete slabs at 10 to 10.5 ft bg). The results of these analyses (attached) indicate that the highest PCB concentration detected in concrete was **3 ppm**. The locations of these samples are shown on the attached site plans.

Please advise if BASF is authorized to backfill these locations, the deep TP-5 excavation area, as well as locations where PCBs at depths of 2 ft or greater are less than 10 ppm in the floodway, as soon as possible. Thank you.

Richard G. Kowalski, CPG, LSP, CHMM
Senior Hydrogeologist

AEI Consultants

112 Water Street, 5th Floor
Boston, MA 02109

c. 508.951.3673

f. [857.233.5531](tel:857.233.5531)

www.aeiconsultants.com [aeiconsultants.com]

From: Battaglia, Frank <battaglia.frank@epa.gov>

Sent: Wednesday, November 14, 2018 4:47 PM

To: Rick Kowalski <rkowalski@aeiconsultants.com>; Tisa, Kimberly <Tisa.Kimberly@epa.gov>; jeff.crawford@dem.ri.gov

Cc: Joseph F Guarnaccia <joseph.guarnaccia@basf.com>; Stephen Graham <sgraham@aeiconsultants.com>; Aaron Ting <ating@aeiconsultants.com>; Battaglia, Frank <battaglia.frank@epa.gov>

Subject: Re: Former Ciba-Geigy, 180 Mill St, Cranston, RI - Request for CMI Work Plan Changes

Rick, I will check in with Kim and Jeff and get back to you tomorrow.

Frank Battaglia
617 918-1362

From: Rick Kowalski <rkowalski@aeiconsultants.com>

Sent: Wednesday, November 14, 2018 4:26 PM

To: Tisa, Kimberly; Battaglia, Frank; jeff.crawford@dem.ri.gov

Cc: Joseph F Guarnaccia; Stephen Graham; Aaron Ting

Subject: Former Ciba-Geigy, 180 Mill St, Cranston, RI - Request for CMI Work Plan Changes

Dear Kim, Frank and Jeff:

BASF has been diligently pursuing achievement of the PCB cleanup goals on this Site in accordance with the Final Corrective Measures Implementation Work Plan (CMI WP), dated April 30, 2018 and which was approved on June 19, 2018. However, due to the site-specific conditions encountered, BASF is seeking approval for alteration of the CMI WP for specific limited areas on the Site as presented in the attached document. The three areas include: 1) an area of the floodway adjacent to TP-5, 2) a northeastern section of the floodway, and 3) an excavation area outside the floodway located on the northcentral portion of the site.

Please let us know if you have any questions. Thanks for your attention to this matter.

Richard G. Kowalski, CPG, LSP, CHMM
Senior Hydrogeologist

AEI Consultants

112 Water Street, 5th Floor
Boston, MA 02109

c. 508.951.3673

f. [857.233.5531](tel:857.233.5531)

www.aeiconsultants.com [aeiconsultants.com]

Aaron Ting

From: Battaglia, Frank <battaglia.frank@epa.gov>
Sent: Tuesday, October 23, 2018 6:11 PM
To: Rick Kowalski; Tisa, Kimberly; jeff.crawford@dem.ri.gov
Cc: Joseph F Guarnaccia; Stephen Graham; Aaron Ting; Wainberg, Daniel; Battaglia, Frank
Subject: RE: Cranston - TP-5 Area Excavation Progress - APPROVAL to backfill
Attachments: View of Site from RR Bridge.docx; TP-5 Area Excavation Photo 10-10-18 (003).docx; TP-5 Excavation Cross-Section 10-15-18.pdf; TP-5 Excavation_Post Excavation Sample Locations_10-17-2018.pdf

Follow Up Flag: Follow up
Flag Status: Completed

Rick, I spoke with Chuck Horbert in the RIDEM Wetlands program, Kim Tisa and Jeff Crawford and we are all in agreement that the concrete structure, as shown in the attached photos, that you encountered along the river bank that is impeding the removal of some PCB contaminated soil at the 6 foot depth is part of the sheet pile retaining wall for the river bank and it should not be disturbed or damaged. Since this work is being conducted under a PCB Risk-Based Disposal Approval (PCB Approval) and the concentration of PCBs remaining in that area, as listed at the bottom of this e-mail string, is less than 13ppm, there should be no additional risk to human health or the environment by leaving the remaining soils in place and backfilling with clean soil and, therefore, you can begin backfilling the area. EPA will need to modify the PCB Approval to account for this slightly higher concentration of PCBs to remain at depth at this location and we will get back to you if we need any more information. In addition, the ELUR should clearly identify the area and depth where concentrations of PCBs will exceed the 1ppm target and the closure report should include photo documentation, detailed figures and lab analytical results. Please contact me or Kim Tisa if you have any questions.

Sincerely,

Frank Battaglia
617 918-1362

From: Rick Kowalski [mailto:rkowalski@aeiconsultants.com]
Sent: Wednesday, October 17, 2018 5:18 PM
To: Battaglia, Frank <battaglia.frank@epa.gov>; Tisa, Kimberly <Tisa.Kimberly@epa.gov>; jeff.crawford@dem.ri.gov
Cc: Joseph F Guarnaccia <joseph.guarnaccia@basf.com>; Stephen Graham <sgraham@aeiconsultants.com>; Aaron Ting <ating@aeiconsultants.com>; Wainberg, Daniel <Wainberg.Daniel@epa.gov>
Subject: RE: Cranston - TP-5 Area Excavation Progress

Frank: Yes, just confirming our phone call we just finished. The steel horizontal bars anchored to the concrete wall extending out to the sheet piles can be clearly seen in the photo of the excavation I provided. We will wait to backfill this excavation until we have your approval. Thanks,

Richard G. Kowalski, CPG, LSP, CHMM
Senior Hydrogeologist

AEI Consultants
112 Water Street, 5th Floor
Boston, MA 02109

c. 508.951.3673
f. [857.233.5531](tel:857.233.5531)
www.aeiconsultants.com

From: Battaglia, Frank <battaglia.frank@epa.gov>
Sent: Wednesday, October 17, 2018 5:00 PM
To: Rick Kowalski <rkowalski@aeiconsultants.com>; Tisa, Kimberly <Tisa.Kimberly@epa.gov>; jeff.crawford@dem.ri.gov
Cc: Joseph F Guarnaccia <joseph.guarnaccia@basf.com>; Stephen Graham <sgraham@aeiconsultants.com>; Aaron Ting <ating@aeiconsultants.com>; Wainberg, Daniel <Wainberg.Daniel@epa.gov>
Subject: Re: Cranston - TP-5 Area Excavation Progress

Rick, if the concrete wall is restraining the sheet pile wall which holds the river bank in place, then we do not want to remove it since it is a critical support structure for the river bank. Any idea if that is the case?

Frank Battaglia

617 918-1362

From: Rick Kowalski <rkowalski@aeiconsultants.com>
Sent: Wednesday, October 17, 2018 3:59 PM
To: Battaglia, Frank; Tisa, Kimberly; jeff.crawford@dem.ri.gov
Cc: Joseph F Guarnaccia; Stephen Graham; Aaron Ting; Wainberg, Daniel
Subject: RE: Cranston - TP-5 Area Excavation Progress

Ok, thanks. Please note that maybe "cofferdam" is the wrong terminology for the sheet pile wall along the edge of the river that is definitely still in place from the bridge, up the river almost all the way to the Safety Kleen property. See attached photo which shows the sheet pile wall as seen from the bridge. Thanks,

Richard G. Kowalski, CPG, LSP, CHMM
Senior Hydrogeologist

AEI Consultants

112 Water Street, 5th Floor
Boston, MA 02109

c. 508.951.3673
f. [857.233.5531](tel:857.233.5531)
www.aeiconsultants.com

From: Battaglia, Frank <battaglia.frank@epa.gov>
Sent: Wednesday, October 17, 2018 3:28 PM
To: Rick Kowalski <rkowalski@aeiconsultants.com>; Tisa, Kimberly <Tisa.Kimberly@epa.gov>; jeff.crawford@dem.ri.gov
Cc: Joseph F Guarnaccia <joseph.guarnaccia@basf.com>; Stephen Graham <sgraham@aeiconsultants.com>; Aaron Ting <ating@aeiconsultants.com>; Wainberg, Daniel <Wainberg.Daniel@epa.gov>
Subject: Re: Cranston - TP-5 Area Excavation Progress

Rick, Kim and I will discuss this and get back to you tomorrow. I believe the cofferdam was removed many years ago so the concrete structure may not be a critical structure. I am not sure of the exact location of this wall but it could interfere with the ozone reactive barrier during the GW remediation.

Joe/Rick, any thoughts on whether the wall could impact the GW remediation? Let's discuss this tomorrow afternoon if possible.

Frank Battaglia

617 918-1362

From: Rick Kowalski <rkowalski@aeiconsultants.com>
Sent: Wednesday, October 17, 2018 1:49 PM
To: Tisa, Kimberly; Battaglia, Frank; jeff.crawford@dem.ri.gov
Cc: Joseph F Guarnaccia; Stephen Graham; Aaron Ting
Subject: FW: Cranston - TP-5 Area Excavation Progress

Kim, Jeff and Frank:

We have encountered an area along the river in the floodway (one edge of the TP-5 area excavation) where we have encountered a concrete wall that appears to be a tie-back for the cofferdam wall along the river. Attached is a photo of the excavation which shows this structure. Note that the fence along the river is to the left in this photo.

It does not appear to be possible to excavate further (deeper than the existing 6 ft or wider than the existing sidewall) without risking damage to this structure and/or the cofferdam. However, we have not achieved the <1 ppm goal for this area. The locations of these samples are shown on plan view and in a cross-section on the attached figures. Therefore, BASF is requesting your approval to leave these remaining soils in place. The existing data for this area is as follows:

Bottom Samples

B-797 @ 6 ft = 1.5 ppm
B-807 @ 6 ft = 2.5 ppm
B-813 @ 6 ft = 1.3 ppm
B-801 @ 6 ft = 0.7 ppm

Sidewall Samples

SW-569 @ 5-6 ft = 12.8 ppm
SW-570 @ 0-4 ft = 1.3 ppm
SW-574 @ 0-4 ft = 2.6 ppm

The results for the other sidewall samples along this sidewall (SW-571, 572, 573, 574 and 568) were all <1 ppm. Please note that the water table is at a depth of approximately 3.5 ft below grade in this area.

Please let us know if you approve as soon as possible (the excavation remains open), or if you have any comments or questions. We appreciate your attention to this matter. Thanks.

Richard G. Kowalski, CPG, LSP, CHMM
Senior Hydrogeologist

AEI Consultants

112 Water Street, 5th Floor
Boston, MA 02109

c. 508.951.3673

f. [857.233.5531](tel:857.233.5531)

www.aeiconsultants.com



May 13, 2019

Mr. Frank Battaglia
USEPA
RCRA Corrective Action
5 Post Office Square, Suite 100
Boston, MA 02109-3912

Mr. Jeffrey Crawford
RI DEM
Office of Waste Management
235 Promenade Street
Providence, RI 02908

Re: Changes to CMI Work Plan
Former Ciba-Geigy Facility
Lot 1102, 180 Mill Street
Cranston, Rhode Island

Dear Frank and Jeff:

As of January 4, 2019, BASF completed the removal of PCB-impacted soils and the installation of a partial protective clean soil cover that includes the required sub-grade material in accordance with the Final Corrective Measures Implementation Work Plan (CMI WP), final dated April 30, 2018, which was approved by EPA on June 19, 2018 (liner material where remaining PCB concentrations exceed 10 ppm, and geocomposite over all remaining PCB soil impacts > 1 ppm), and a uniform one foot of clean soil, seeded and maintained to date. The one-foot soil cover was placed and maintained to provide a protective cover until weather conditions conducive to finalizing the soil cover and vegetation support are realized. Remaining field work includes final clean soil cover installation to required protectiveness metrics (material thickness) and associated contouring and vegetation planting. These items are planned to be implemented immediately after approval of this request for CMI WP modification with associated Attachments. Specifically, two considered minor changes in the approved CMI Work Plan are now proposed to better position a portion of the covered area to potentially be modified as a parking area (at present only a conceptual possibility) in accordance with the ELUR as contemplated in the CMI WP, and to be recorded with the property deed.

Requested Change No. 1: Alter clean soil cover contouring and vegetation plan

BASF proposes to modify the soil cover contouring and vegetation plan to support the potential future use of a portion of the property as a parking lot, specifically that portion that is beyond the 200-foot setback from the river. This potential future use is supported by the contouring and vegetation plan provided in drawings RC-7 and RL-1 through 4. The plan includes the following changes

- Vegetation: The area beyond the 200' river setback will be maintained as an open field and planted with a wildflower mix, instead of the originally conceived upland habitat vegetation.
- Contouring: The area beyond the 200' setback will have a uniform grade, and the following alterations are proposed to accommodate surface water runoff control requirements associated with this design and potential parking area re-design (see drawing RC-7).
 - Stormwater retention basins have been moved to the periphery of the new open field.

- In the case that the open field is redesigned to support a parking area and assuming an impervious surface, stormwater flows from this area will be directed to the south toward several stormwater retention areas or towards lined tree wells which would be positioned in the central and peripheral portions of the property. Conceptually, stormwater runoff would follow the final grades depicted on drawing RC-7. Note that any property redevelopment beyond what is presented here will, at a minimum, be constrained by the ELUR as contemplated in the CMI WP, and to be recorded with the property deed.

Requested Change No. 2: Modify clean soil cover design to support stormwater retention areas

To support the proposed contour plan and surface water runoff controls, it is proposed to alter the cover associated with the stormwater retention areas to consist of 6-inches of crushed stone laid over 6-inches of imported compliant soil, instead of 24-inches of compliant soil. This modification will avoid the need to import considerable compliant fill material to otherwise provide the design slopes. This modification is consistent with the CMI WP, Section 4.2.2, which specifies the option of installing a 1 ft soil cover (as described above) in the retention areas in the event that a 24-inch soil cover could not be physically constructed. This approach also remains consistent with the approved flood storage volume specified in the FEMA-approved Conditional Letter of Map Revision (CLOMR) issued to BASF on September 24, 2018 (Case#: 18-01-1205R).

For any questions, please do not hesitate to call. Thank you.

Sincerely,

AEI Consultants



Richard G. Kowalski, CPG, LSP, CHMM
Senior Hydrogeologist

Attachment

C: Joseph Guarnaccia, BASF

Aaron Ting

From: Aaron Ting
Sent: Friday, January 24, 2020 9:05 AM
To: Aaron Ting
Subject: FW: [EXTERNAL] : RE: Former Ciba-Geigy, 180 Mill street, Cranston, RI - CMI Work Plan Modification - EPA Conditional Approval

From: Battaglia, Frank <battaglia.frank@epa.gov>
Sent: Saturday, August 3, 2019 10:29 AM
To: joseph (CIBA) guarnaccia <joseph.guarnaccia@basf.com>
Cc: Jeffrey P. Crawford (jeff.crawford@dem.ri.gov) <jeff.crawford@dem.ri.gov>; Tisa, Kimberly <Tisa.Kimberly@epa.gov>; Rick Kowalski <rkowalski@aeiconsultants.com>; Battaglia, Frank <battaglia.frank@epa.gov>
Subject: FW: [EXTERNAL] : RE: Former Ciba-Geigy, 180 Mill street, Cranston, RI - CMI Work Plan Modification - EPA Conditional Approval

Joe:

Kim Tisa, Jeff Crawford and I have reviewed BASFs June 3, 2019 response to EPAs May 20, 2019 e-mailed comments regarding BASFs May 13, 2019 Corrective Measures Implementation Work Plan modification request. As we discussed on July 18, 2019, the EPA and the RIDEM Office of Waste Management need further clarification on several items. Some of these may have already been addressed in the revised Wetlands Permit issued to BASF on July 24, 2019 by the RIDEM Office of Water Resources. The following are the rest of our questions:

- Will BASF still utilize the 2-foot soil cover in the area outside of the 200 foot riverbank wetland that may be converted to a parking lot in the future?
- What type of soil will be used as cover material and will it be compacted?
- Are the bottoms of the stormwater retention basins impermeable in areas where PCBs remaining in soil are above 10 mg/kg?
- How will these retention basins allow for percolation of water?
- Will the 6 inches of compliant soil and 6 inches of crushed stone be compacted in the retention basin?
- How will BASF prevent crushed stone from penetrating the impermeable membrane in the retention basins?

In addition, EPA needs a detailed figure large enough to illustrate where the dead-man that supports the bulkhead along the riverbank is located and that also includes the sampling points & sample IDs that identify the locations where contaminated soils remain above the 1 mg/kg clean up level. These locations were approved by the EPA and the RIDEM in previous e-mail communications due to the difficulty in removing contaminated soil in these areas and EPA needs to formally amend the PCB approval to include these locations.

EPA is **conditionally approving** the May 13, 2019 CMI Modification request under the condition that the questions in this e-mail are addressed to EPAs satisfaction. Please contact me if you have any questions.

Sincerely,

Frank Battaglia,
RCRA Facility Manager
617 918-1362

From: Rick Kowalski <rkowalski@aeiconsultants.com>
Sent: Monday, June 03, 2019 12:17 PM

To: Battaglia, Frank <battaglia.frank@epa.gov>; Crawford, Jeffrey (DEM) <jeff.crawford@dem.ri.gov>; joseph (CIBA) guarnaccia <joseph.guarnaccia@basf.com>
Cc: Barbara Hicks <barbara.hicks@partners.basf.com>; Stephen Graham <sgraham@aeiconsultants.com>; Aaron Ting <ating@aeiconsultants.com>; Tisa, Kimberly <Tisa.Kimberly@epa.gov>; kelly.owens.dem.ri.gov <kelly.owens@dem.ri.gov>; Antonio, Joseph (DEM) <joseph.antonio@dem.ri.gov>; Pisani, Nicholas (DEM) <nicholas.pisani@dem.ri.gov>; Horbert, Chuck (DEM) <chuck.horbert@dem.ri.gov>
Subject: RE: [EXTERNAL] : RE: Former Ciba-Geigy, 180 Mill street, Cranston, RI - CMI Work Plan Modification

Frank and Jeff: Attached is a letter which addresses your concerns in your May 20 email. Please note that the FEMA letters (one for Cranston panel and one for Warwick panel) are presented as separate documents since their protection level wouldn't allow us to attach them to our letter. Please let us know if you have any questions. Thanks,

Richard G. Kowalski, CPG, LSP, CHMM
Senior Hydrogeologist

AEI Consultants

112 Water Street, 5th Floor
Boston, MA 02109

c. 508.951.3673
f. [857.233.5531](tel:857.233.5531)
www.aeiconsultants.com

From: Battaglia, Frank <battaglia.frank@epa.gov>
Sent: Monday, June 3, 2019 10:39 AM
To: Crawford, Jeffrey (DEM) <jeff.crawford@dem.ri.gov>; Rick Kowalski <rkowalski@aeiconsultants.com>; joseph (CIBA) guarnaccia <joseph.guarnaccia@basf.com>
Cc: Barbara Hicks <barbara.hicks@partners.basf.com>; Stephen Graham <sgraham@aeiconsultants.com>; Aaron Ting <ating@aeiconsultants.com>; Tisa, Kimberly <Tisa.Kimberly@epa.gov>; kelly.owens.dem.ri.gov <kelly.owens@dem.ri.gov>; Battaglia, Frank <battaglia.frank@epa.gov>; Antonio, Joseph (DEM) <joseph.antonio@dem.ri.gov>; Pisani, Nicholas (DEM) <nicholas.pisani@dem.ri.gov>; Horbert, Chuck (DEM) <chuck.horbert@dem.ri.gov>
Subject: RE: [EXTERNAL] : RE: Former Ciba-Geigy, 180 Mill street, Cranston, RI - CMI Work Plan Modification

Jeff, I just received an e-mail from Joe that says we will receive a submittal today and if we need a meeting Joe will be available. I'll send you the e-mail.

Frank

From: Crawford, Jeffrey (DEM) <jeff.crawford@dem.ri.gov>
Sent: Monday, June 03, 2019 10:22 AM
To: Battaglia, Frank <battaglia.frank@epa.gov>; Rick Kowalski <rkowalski@aeiconsultants.com>; joseph (CIBA) guarnaccia <joseph.guarnaccia@basf.com>
Cc: Barbara Hicks <barbara.hicks@partners.basf.com>; Stephen Graham <sgraham@aeiconsultants.com>; Aaron Ting <ating@aeiconsultants.com>; Tisa, Kimberly <Tisa.Kimberly@epa.gov>; kelly.owens.dem.ri.gov <kelly.owens@dem.ri.gov>; Antonio, Joseph (DEM) <joseph.antonio@dem.ri.gov>; Pisani, Nicholas (DEM) <nicholas.pisani@dem.ri.gov>; Horbert, Chuck (DEM) <chuck.horbert@dem.ri.gov>
Subject: RE: [EXTERNAL] : RE: Former Ciba-Geigy, 180 Mill street, Cranston, RI - CMI Work Plan Modification

All-

There was a tentative meeting for 1:30pm on the DEM calendar for tomorrow June 4th. Since we did not receive anything or hear from anyone since the May 20th, the **tentative meeting is cancelled**. If you would like to re-schedule a

meeting for next week to discuss EPA and DEMs concerns as outlined in the May 20th email, there are some times available for next week. Please contact Joseph Antonio in the DEM Office of Customer & Technical Assistance so that he may coordinate a meeting.

Thanks Jeff

From: Battaglia, Frank <battaglia.frank@epa.gov>

Sent: Monday, May 20, 2019 7:49 PM

To: Rick Kowalski <rkowalski@aeiconsultants.com>; Crawford, Jeffrey (DEM) <jeff.crawford@dem.ri.gov>; joseph (CIBA) guarnaccia <joseph.guarnaccia@basf.com>

Cc: Barbara Hicks <barbara.hicks@partners.basf.com>; Stephen Graham <sgraham@aeiconsultants.com>; Aaron Ting <ating@aeiconsultants.com>; Tisa, Kimberly <Tisa.Kimberly@epa.gov>; Owens, Kelly (DEM) <kelly.owens@dem.ri.gov>; Battaglia, Frank <battaglia.frank@epa.gov>

Subject: [EXTERNAL] : RE: Former Ciba-Geigy, 180 Mill street, Cranston, RI - CMI Work Plan Modification

Joe and Rick,

EPA and RIDEM were able to review your request for minor alterations to the approved final soil cover design and need some additional information and have several questions for your consideration. We need a separate figure that shows the original plan with all contouring. We need a separate figure that overlays the remaining PCB concentrations on the final grading plan (RC-7) and a separate figure that overlays the permeable and impermeable membranes on that same plan (RC-7). We need to understand why large trees with deep roots will be planted on the perimeter of the property and whether these trees will affect the cover. We need to know why the proposed change in grading will not impact storm water runoff during heavy rain events. We need a copy of the FEMA approval with all its requirements. We need a figure that illustrates where the potential parking area would be located and assurance that it would not impact the cover. Some approved language would need to be included in the ELUR/deed notice and O&M plan. We would need the RIDEM wetlands program to review and approve these alterations with respect to wetlands issues while EPA would approve the alterations based on human health protection issues and cover integrity issues. You need to check with the RIDEM wetlands program to see if you need a minor modification to the existing wetlands permit.

As Jeff said in an earlier e-mail, the submittal was a bit confusing with the parking lot future use included but EPA now needs to know whether a parking area would impact the cover and whether this can be mitigated.

Also, we have considered having a meeting at RIDEM on Tuesday June 4th around 1:00 to discuss all this with wetlands, waste management and EPA RCRA and TSCA personnel. This may not be necessary if we get more clarification on the possible impacts of these changes. Call me if you have any questions.

Frank Battaglia
617 918-1362

From: Rick Kowalski <rkowalski@aeiconsultants.com>

Sent: Monday, May 13, 2019 4:55 PM

To: Battaglia, Frank <battaglia.frank@epa.gov>; Crawford, Jeffrey (DEM) <jeff.crawford@dem.ri.gov>

Cc: Joseph F Guarnaccia <joseph.guarnaccia@basf.com>; Barbara Hicks <barbara.hicks@partners.basf.com>; Stephen Graham <sgraham@aeiconsultants.com>; Aaron Ting <ating@aeiconsultants.com>

Subject: Former Ciba-Geigy, 180 Mill street, Cranston, RI - CMI Work Plan Modification

Frank and Jeff: Attached please find a request for approval to make some minor alterations to the approved final soil cover design, in compliance with the CMI Work Plan and FEMA approval. Please let us know if you have any questions. Thanks,

Richard G. Kowalski, CPG, LSP, CHMM

Senior Hydrogeologist

AEI Consultants

112 Water Street, 5th Floor
Boston, MA 02109

c. 508.951.3673

f. [857.233.5531](tel:857.233.5531)

www.aeiconsultants.com [aeiconsultants.com]

APPENDIX B
Daily Project Progress Reports

DAILY PROJECT REPORT

Project: BASF, Lot 1102
180 Mill Street
Cranston, RI

Submitted By: Aaron C. Ting

Signature: _____

Date: 8/27/2018



Weather: Sunny

Daily

Precipitation: 0"

Temp: 90-72

(Hi - low)

PERSONNEL/EQUIPMENT	
Contractor	No.
	1 Superintendent SES
	1 Foremen SES
	H&S/QA Officer
	4 Operators SES
	3 Laborers SES
	Other Trades (Surveyor)
SubContractor	No. Company/Firm
	12 Total Personnel On Site
Owner/Representative:	N/A
AEI Personnel:	Aaron Ting 1
	Joe Drebaum 1
	Robert Medaglio 1
Visitors On Site:	N/A

MAJOR EQUIPMENT:	EQUIPMENT/MATERIALS RECEIVED:
2 support trucks, Bobcat 289D skid steer, CAT 321C/322 excavators	
CAT 996H Loader, 20-yard metal recycling container,	
United Rentals 5 cy dump truck, 20-cy dump trailer	
2-trash/recycling bins, 2-100 yd rail cars	
hoe ram	

WORK COMPLETED:

SES continued excavations to remove soils designated as Type 2B. Soils removed, transported via 20cy dump trailer and temporarily stockpiled on Lot 2682. Excavation stake locations include:

- 406, 407, 408, 418 (6' depth);
- 406, 405, 404, 415 (2' depth);
- 410, 418, 413, 417 (2' depth);
- 360, 374, 375, 350 (3' depth).

AEI collected post excavation samples for Dexsil and laboratory analysis. Samples were collected from soil and concrete matrices.

Approximately, 171.5 cubic yards of Type 2B soils were excavated and transported from Lot 1102 to 2682 for temporary stockpiling and future rail transport.

AEI set up and calibrated perimeter dust monitors. No dust monitors observed action levels exceeding during today's work. SES covered stockpiles and surrounded by haybales at the end of the workday. SES managing stockpiles and surrounding deeper excavations (>3') with staked orange snow fence. SES used a higher strength tarp to cover the 2B soils on Lot 2682 due to the rebar and other debris puncturing the 6-mil poly.

Conducted a weekly soil erosion and sediment control plan inspection. No issues noted.

SES setup temporary fencing around 7'excavation at end of day.

SES informed AEI about potential ACM (waterproof mastic) on concrete. SES collected samples of mastic for ACM testing.

HEALTH & SAFETY:

AEI has reviewed SES's Safe Work Form/Pre-Task Plan for today, and verifies, by signing below, that these documents comply with the procedures and content of SES's HASP."

AEI Signature: _____

SES/AEI conducted daily H&S tailgate meeting to review work scope and safety precautions/JSAs associated with safe work practices. See SES SWP/PTP for topics discussed and issues raised.

ISSUES/CHANGES/RESOLUTIONS:

N/A

DISCUSSIONS/CLIENT DIRECTION:

N/A



DAILY WORKSHEET

Date: 8/27/18

Project Number: 18-0315

MONDAY

CLIENT / SITE INFORMATION

Name: BASF

Address: 180 MILL ST.

CRANSTON, RI

Contact: AARON (AEI)

PROJECTS NOTES

HELD HHS MEETING / REVIEW SCOW W/ AEI / CONT. EXC. EFFORTS @ CELL 408-418 DOWN TO 6'0" / HEAVY TERRIS AND GROUND WATER @ 6'0" / EXC. CELLS 416-406 + 413-418 DOWN TO 2'0" / USED HAMMER IN EXCAVATIONS WHERE NEEDED / BEGAN HAMMER EXC. IN CELL 374-375 20X60 PAD, BEGAN TRANSPORT AND EXCA. TO 3'0" COVERED STOCKPILE IN LOT 2682 W/ TARPS / SITE VISIT W/ B. MADDOCK NOTICED MASTIC IN SOME EXCAVATIONS / KSTMT PULLED SAMPLES FOR LAB ANALYSIS. *TRANS APPX. 171.5 YDS TO STOCKPILE.

LABOR

MATERIALS / EQUIPMENT / TOOLS

Name	Position	Travel	On-site	Off-Site	Travel	Quantity	Item / Description
R. DOUGHERTY	SOP		0630				PPE Level: A B C D-MOD.
J. SZPILA	OP		1			2	SERVICE VEH.
K. SWEENEY	OP		1			1	SITE TRAILER/RESTROOM/SINK
M. JAMROS	FT		1			1	GENERATOR
D. BERGERON	FT		1			1	CONEX BOX
B. ROE	OP		1			2	EXCAVATORS (321C/322L) HAMMER
S. HALL	FT		1			1	SKID STEER (289D)
M. AYOTE	DR		1	1530		1	LOADER (966H)

SUBCONTRACTORS

1	ROLLOFF TRUCK
2	ROLLOFF CANS (METAL 409NOR/301C/280637R4R)
1	DUMP TRUCK (UR10558256)
1 EA	6 MIL POLY
3 EA	6 MIL POLY BAGS
10 EA	CHK BOOTS
5 EA	FIRE HOSE 1.5" X 50' w/ NOZZLE + METER
7 EA	HYDRATION
12 EA	TYVEK (WHITE)

WEATHER OBSERVATIONS

SUNNY 90°S

Project Manager's Signature: _____

Client's Signature: _____

Project: BASF Facility Cranston, RI Date (8/21)	<h2 style="margin: 0;">DAILY SAFE WORK FORM</h2>	SES (Page 2 of 6)
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Type of Equipment/Vehicles/Motorized Equipment			
<input checked="" type="checkbox"/>	Field Service Trailer	<input checked="" type="checkbox"/>	Roll-off Tractor Truck
<input checked="" type="checkbox"/>	Excavators	<input checked="" type="checkbox"/>	Roll-off containers
<input checked="" type="checkbox"/>	Loader	<input checked="" type="checkbox"/>	Dump Truck/Triaxle
<input type="checkbox"/>	Track Dozer	<input type="checkbox"/>	Dump Trailers
<input checked="" type="checkbox"/>	Skid Steer Loader	<input checked="" type="checkbox"/>	Pickup Utility Trucks
<input type="checkbox"/>	Frac Tank	<input type="checkbox"/>	Sump Pump
<input checked="" type="checkbox"/>	Generator	<input type="checkbox"/>	Trench Box
<input type="checkbox"/>	Water Buffalo	<input type="checkbox"/>	NaOH Storage Tank
<input type="checkbox"/>	Sawzail	<input type="checkbox"/>	Other (list)

This work also requires the use of the permits or documents checked below	
<input checked="" type="checkbox"/>	PROJECT-SPECIFIC HASP
<input type="checkbox"/>	LOCK-OUT, TAG-OUT PERMIT
<input checked="" type="checkbox"/>	PRE-TASK PLANNING FORM
<input type="checkbox"/>	CONFINED SPACE ENTRY PERMIT
<input type="checkbox"/>	OTHERS (LIST)

Anticipated Project Risks and Hazards Identification Identify the source/s used and include necessary specific information (See Daily Pre-Task Plan for day-specific information)			
Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
X		Pre-work Inspection of the work site	See SES HASP
X		MSDS review / includes any 'new' chemicals	MSDS Sheets Provided in HASP
	X	Crane Operations	
	X	Elevated Work	
X		Environmental Conditions	See SES HASP
X		Heavy Powered Mobile Equipment Use	Excavators to load soil into trucks, truck traffic
	X	Language / Communication Difficulties	
X		Materials to be used	See Pre-Task Plan
	X	Overhead Work / Rigging	
	X	Special Equipment to be used	
X		Trenching / Excavation	See SES HASP
	X	Utilities System tie-in / restrictions	
X		Other Risks or Hazards	PCB/VOC-contaminated soils; Sodium Persulfate

Anticipated Project Required Precautions & Protective Measures Be sure that each identified Risk or Hazard is addressed (See Daily Pre-Task Plan for day-specific information)			
Need	N/A	Area	Specific measures that are required
X		Access & Egress Plans (People & Equipment)	To be developed on site with SES work crew
	X	Barricades needed	
	X	BASF equipment / materials to be used	
	X	Electrical safety equipment required	
	X	Elevator use	
X		Emergency Equipment	See SES HASP
X		Emergency Plans / Emergency Responder	See SES HASP
	X	Fall protection	
X		First Aid / Medical Treatment provisions	See SES HASP
	X	HOT WORK Procedure requirements	
	X	HVAC System requirements	
	X	LINE-BREAKING procedure requirements	
	X	Scaffolds / decking	
X		Temporary electrical power	See SES HASP
	X	Temporary Utilities services	
X		Trench / Excavation Boxes	See SES HASP

Project: BASF Facility Cranston, RI Date (8/21)	DAILY SAFE WORK FORM	SES (Page 3 of 6)
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Required Personal Protective Equipment (PPE) Identify the source/s used and check the appropriate boxes									
<input type="checkbox"/> PPE GRID		<input checked="" type="checkbox"/> MSDS		<input type="checkbox"/> BASF Knowledge		<input type="checkbox"/> Work Provider Knowledge		<input type="checkbox"/> Prior SWP	
YES	NO	ITEM			YES	NO	Item		
X		Hardhat (either) <input type="checkbox"/> Fiberglass <input checked="" type="checkbox"/> Plastic				X	Rain Suit	<input type="checkbox"/> Jacket	<input type="checkbox"/> Pants
X		Safety Glasses, ANSI-rated, side shields				X	Chemical Suit	<input type="checkbox"/> Jacket	<input type="checkbox"/> Pants
	X	Goggles <input type="checkbox"/> Chemical <input type="checkbox"/> Dust				X	Personal Fall Protection Equipment		
	X	Faceshield			X		Gloves	<input checked="" type="checkbox"/> Chemical	<input type="checkbox"/> Work
X		Hearing Protection <input checked="" type="checkbox"/> Plugs <input type="checkbox"/> Muffs			X		Long sleeve shirt and steel toed boots with steel shank		
	X	Respirator <input type="checkbox"/> Half-mask <input type="checkbox"/> Full-face			X		Boots	<input type="checkbox"/> Rubber	<input checked="" type="checkbox"/> Other
	X	Dust Mask				X	Welding Protection		
	X	Fire Retardant Electrical Clothing				X	Retrieval System for Confined Spaces		
X		Eyewash Station			X		Mobile phone or radios		
X		Tyvek Suits			X		Insect repellent, sunscreen		
		Other PPE (list)			X		High-visibility, reflective vest		

Training Requirements		
Need	N/A	Area
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	BASF Safety Orientation (if required)
X		MSDS Reviews
X		Review of precautions listed above per SES HASP
X		Review of required PPE
		Other training (specify) –

Project: BASF Facility Cranston, RI Date (8/27)	DAILY SAFE WORK FORM	SES (Page 4 of 6)
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STRATEGIC ENVIRONMENTAL SERVICES	PROJECT / JOB / TASK (Description): BASF Cranston/CMI Implementation	LOCATION: 180 Mill Street, Cranston, RI	DATE 8/27
PRE-TASK PLAN (PTP)	SES SUPERVISOR: RYAN DOUGHERTY		

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task List (Check off AND Circle today's activities)	
<input type="checkbox"/>	Task 1 - Permitting
<input type="checkbox"/>	Task 2 – Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
<input checked="" type="checkbox"/>	Task 3 – Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
<input checked="" type="checkbox"/>	Task 4 – Transportation and Disposal of Contaminated Material
<input type="checkbox"/>	Task 5 – Backfilling and Grading/Geotextile and Vegetation Placement
<input type="checkbox"/>	Task 6 - Demobilization

Tasks, Potential Hazards, and Recommended Actions or Procedures				
Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
<input checked="" type="checkbox"/>	3	Chemical Hazards	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B1 Chemical: JSA 10
<input checked="" type="checkbox"/>	3,4,5	Dust/Fumes/Particulates	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B2 Dust: JSAs 1,2,4,5,6
<input checked="" type="checkbox"/>	3,4,5,6	Job Zone Control	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B3 Job Zone Control; All JSAs
<input checked="" type="checkbox"/>	3,4,5,6	Heat	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B4 Heat: All JSAs
<input type="checkbox"/>	3,4,5,6	Cold	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B5 Cold; All JSAs
<input type="checkbox"/>	1,3,4,5,6	Severe Weather	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B6 Severe Weather: All JSAs
<input checked="" type="checkbox"/>	3,4,5,6	Walking/Working Surfaces	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
<input checked="" type="checkbox"/>	4,5,6	Noise	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B8 Noise: All JSA's
<input checked="" type="checkbox"/>	5,6	Live Electrical Equipment	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B14 Live Electrical Equip: JSA 5,6,9
<input type="checkbox"/>	4,5	Poor Lighting	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
<input checked="" type="checkbox"/>	4,5,6	Overhead Hazards	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B15 Overhead Hazards: JSA 2,5,6
<input checked="" type="checkbox"/>	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B17 Traffic Management: All JSA
<input checked="" type="checkbox"/>	5,6	Heavy machinery/drill rigs	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B18 Heavy Machinery: JSA 4,5

Project: BASF Facility Cranston, RI Date (8/27)	<h2 style="margin: 0;">DAILY SAFE WORK FORM</h2>	SES (Page 5 of 6)
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Tasks, Potential Hazards, and Recommended Actions or Procedures				
Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
<input checked="" type="checkbox"/>	5,6	Trenching/Excavation	NA <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B19 Trenching/Excavation:JSA 4,5,6,8
<input checked="" type="checkbox"/>	1,3,4,5,6	Vehicle use	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B20 Vehicle Use: All JSA
<input type="checkbox"/>	2,3	Work near/on water	NA <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B21 Work Near/On Water: JSA 1
<input type="checkbox"/>	4,5	Elevated heights (<4ft)	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B22 Working from Heights (<4 feet)
<input type="checkbox"/>	4,5	Elevated heights (>4ft)	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B23 Working from Heights (>4 feet)
<input checked="" type="checkbox"/>	5,6	Overhead/underground utilities	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B24 Overhead/Underground Utilities: JSA 1,3,4
<input checked="" type="checkbox"/>	4,5,6	Powered hand tools	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B25 Electrically Powered Equipment and Tools: JSA 9
<input checked="" type="checkbox"/>	4,5,6	Electrically powered equipment	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B25 Electrically Powered Equipment and Tools: JSA 9
<input type="checkbox"/>	4,5,6	Cutting devices/tools	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B26 Cutting Devices/Tools; JSA 9
<input checked="" type="checkbox"/>	4,5	Drums, cylinders, containers	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B1 Chemical: JSA 4
<input checked="" type="checkbox"/>	3,4,5,6	Material handling, ergonomics	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B29 Material Handling/Ergonomics: JSA 2,6,7,9
<input checked="" type="checkbox"/>	3,5,6	Poisonous/irritating plants	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B32 Plants and Animals: All JSAs
<input checked="" type="checkbox"/>	4,5,6	Insects/rodents/snakes	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B32 Plants and Animals; All JSAs
<input checked="" type="checkbox"/>	3,5,6	Ticks, mosquitos	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B32 Poisonous Plants, Animals, and Insects; All JSA
<input type="checkbox"/>	1,3,4,5,6	Employees working early/late	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B34 Personal Safety; All JSAs
<input type="checkbox"/>	Note:A single hazard may be listed under several Tasks. In this case, use the highest Severity ranking of the tasks evaluated as the overall ranking.			

Description of Any Additional Activities, And Associated Health and Safety Risks and Protective Procedures/Equipment:

Project: BASF Facility Cranston, RI Date (8/27)	DAILY SAFE WORK FORM	SES (Page <u>6</u> of <u>6</u>)
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[illegible]

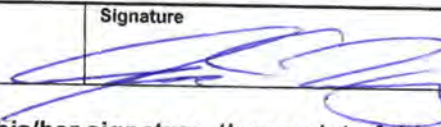
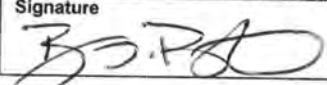
SESC Plan Inspection Report

Project Information			
Name	XXXXXXXXXX Former Ciba-Geigy Facility		
Location	180 Mill St, Cranston, RI (Plat 4, Lot 1102)		
DEM Permit No.	18-0048 / RIR101724		
Site Owner	Name Joseph Guarnaccia	Phone 973-245-5269	Email joseph.guarnaccia@basf.com
Site Operator	Name Ryan Dougherty	Phone 508-579-2565	Email rdougherty@strategic-es.com
Inspection Information			
Inspector Name	Name Aaron C. Ting	Phone 978-577-7138	Email ating@aeiconsultants.com
Inspection Date	8/27/18		Start/End Time 1330-1400
Inspection Type	<input checked="" type="checkbox"/> Weekly <input type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input type="checkbox"/> Post-storm event <input type="checkbox"/> Other		
Weather Information			
Last Rain Event	Date: — Duration (hrs): — Approximate Rainfall (in): —		
Rain Gauge Location & Source:	—		
Weather at time of this inspection:	Sunny, 85°F		

Check statement that applies then sign and date below:

☒ I, as the designated Inspector, certify that this site has been inspected as required by regulation and I have determined that maintenance and corrective actions are not required at this time.

☐ I, as the designated Inspector, certify that this site has been inspected as required by regulation and I have made the determination that the site requires corrective actions. The required corrective actions are noted within this inspection report.

Inspector:	Print Name Aaron Ting	Signature 	Date 8/27/18
The Site Operator acknowledges by his/her signature, the receipt of this SESC Plan inspection report and its findings. He/she acknowledges that all recommended corrective actions must be completed and documentation of all such corrective actions must be made in this inspection report per applicable regulations.			
Operator:	Print Name RYAN DOUGHERTY	Signature 	Date 8/27/18

PROJECT: Cranston RFINSPECTION DATE: 8/22/18**Site-specific Control Measures**

Number the structural and non-structural stormwater control measures identified in the SESC Plan and on the SESC Site Plans and list them below (add as necessary). Bring a copy of this inspection form and any applicable SESC Site Plans with you during your inspections. This list will assist you to inspect all control measures at your site.

FILL THIS TABLE USING THE SESC PLAN TABLES 2.11 & 3.12.

	Location/Station	Control Measure Description	Installed & Operating Properly?	Assoc. Photo/ Figure #	Corrective Action Needed (Yes or No; if 'Yes', please detail action required)
1	Construction site exit incl. decon. pad	RIDOT Std Specs. R1 Soil Erosion and Sed. Control book	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	see photo log	
2	Project-wide including material stockpiles	Penmeter - compost filter socks (RIDOT 9.2.0) Stockpiles - hay/bales RIDOT Std Spec - 204, R12	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	see photo log	
3	Project-wide including material stockpiles	R1 SESC Handbook Water for dust control/cover stockpiles RIDOT Std Spec R1 SESC Handbook	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
4	Adjacent roads	Roads adjacent to construction site shall be clean at the end of each day	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
5	Project-wide	Pickup construction trash/debris	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
6	Project-wide	Spill prevention / Spill containment measures	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
7			<input type="checkbox"/> Yes <input type="checkbox"/> No		
8			<input type="checkbox"/> Yes <input type="checkbox"/> No		

General Site Issues

Below are some general site issues that should be assessed during inspections. Please **customize** this list as needed for conditions at the site.

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
1	Have all control measures been installed as specified in the RISESC Handbook and prior to any earth disturbing activities?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<u>see photos</u>	
2	Are appropriate limits of disturbance (LOD) established?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
3	Are controls that limit runoff from exposed soils by diverting, retaining, or detaining flows (such as check dams, sediment basins, etc.) in place?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
4	Are all temporary conveyance practices installed correctly and functioning as designed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
5	Has maintenance been performed as required to ensure continued proper function of all temporary conveyances practices?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
6	Were all exposed soils seeded by October 15 th ?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
7	Have soils been stabilized where earth disturbance activities have permanently or temporarily ceased on any portion of the site and will not resume for more than 14 days?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
8	In instances where adequate vegetative stabilization was not established by November 15 th , have non-vegetative erosion control measures must be employed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
9	If work is to continue from October 15 th through April 15 th , are steps taken to ensure that only the day's work area will be exposed and all erodible soil is stabilized within 5 working days?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
10	Have inlet protection measures (such as fabric drop inlet protection, curb drop inlet protection, etc.) been properly installed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
11	Has the operator cleaned and maintained inlet protection measures when needed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
12	Has the operator removed accumulated sediment adjacent to inlet protection measures within 24 hours of detection?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
13	Has the operator properly installed outlet protection (such as riprap, turf mats, etc.) at all temporary and permanent discharge points?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
14	Are all outlet protection measures functioning properly in order to reduce discharge velocity, promote infiltration, and eliminate scour?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
15	Have all discharge points been inspected to ensure the prevention of scouring and channel erosion?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
16	Have sediment controls been installed along perimeter areas that will receive stormwater from earth disturbing activities?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	see photo log ↓	
17	Is the operator maintaining sediment controls in accordance with the requirements in the RI SESC Handbook?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
18	Have temporary sediment barriers been installed around permanent infiltration areas (such as bioretention areas, infiltration basins, etc.)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
19	Have staging areas and equipment routing been implemented to avoid compaction where permanent infiltration areas will be located?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
20	Are surface outlet structures (such as skimmers, siphons, etc.) installed for each temporary sediment basin? [Exception: frozen conditions]	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
21	Have all temporary sediment basins or traps been inspected and maintained as required to ensure proper function?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
22	Does the project include the use of polymers, flocculants, or other chemicals to control erosion, sedimentation, or runoff from the site?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
23	Are all chemicals being managed in accordance with Appendix J of the RISESC Handbook and current best management practices?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
24	Has the site operator taken steps to prohibit the following pollutant discharges on the site?			
a	Contaminated groundwater.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		



	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
b	Wastewater from washout of concrete; unless properly contained, managed, and disposed of.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
c	Wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds, and other construction products.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
d	Fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
e	Soaps or solvents used in vehicle and equipment washing.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
f	Toxic or hazardous substances from a spill or other release.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
25	Is the operator using properly constructed entrances/exits to the site so sediment removal occurs prior to vehicles exiting?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	see photos	
26	If needed, are additional controls (such as rumble strips, rattle plates, etc.) in place to remove sediment from tires prior to exiting?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
27	Is sediment track-out being removed by the end of the same workday in which it occurs (via sweeping, shoveling, or vacuuming)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
28	Are all wastes generated at the site being managed and properly disposed of by the end of each workday?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
29	Are all chemicals and hazardous waste materials stored properly in covered areas and surrounded by containment control systems?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	see photos	
30	Has the operator established highly visible locations for the storage of spill prevention and control equipment on the construction site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
31	Are allowable non-stormwater discharges being managed properly with adequate controls?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
32	Is the site operator properly managing groundwater or stormwater that is removed from excavations, trenches, or similar points of accumulation?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		phase of project
33	Are proper procedures and controls in place for the storage of materials that may discharge pollutants if	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		

PROJECT: Cranston RT

INSPECTION DATE: 8/27/18

Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
exposed to stormwater?			
Are stockpiles located within the limits of disturbance?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	see photos	
Are stockpiles being protected from contact with stormwater using a temporary sediment barrier?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Where needed, has cover or appropriate temporary vegetative or structural stabilization been utilized for stockpiles?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
Is the operator effectively managing the generation of dust through the use of water, chemicals, or minimization of exposed soil?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Are designated washout areas (such as wheel washing stations, washout for concrete, paint, stucco, etc.) clearly marked on the site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	see photos	
Are vehicle fueling and maintenance areas properly located to prevent pollutants from impacting stormwater and sensitive receptors?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
(Other)			

Photos:

Photo #: 1	Station: North Site
	Description: Decontamination pad located on Lot 1102
Photo #: 2	Station: North Site
	Description: CFS staked on northern property boundary.



<p>Photo #: 3</p> 	<p>Station: West Site</p> <p>Description: Construction access road to Mill Street from Lot 1102.</p>
<p>Photo #: 4</p> 	<p>Station: North Site</p> <p>Description: Temporary soil stockpile management area.</p>

Photo #: 5



Station: South Site

Description: Staked silt fence on south east side of Site.

Photo #: 6



Station: South Site

Description: CFS located on south side of Site.

BASF
180 Mill Street, Lot 1102
Cranston, RI

Date	Name	Company Name	Time In	Time out
8/27	RYAN DOUGHERTY	SES	0630	1615
8/27	John Sapienza	SES	0630	15:30
8/27	KEVIN SWEENEY	SES	0630	1600
8/27	Mike Jamros	SES	0630	1500
8/27	Dennis Beryon	SES	0630	14:00
8/27	BRAD ROR	SES	06:30	15:30
8/27	Robert Meloy Jr	AET	06:30	15:45
8/27	Joseph Diekmann	AET	06:30	15:45
8/27	Mike Ayoub	SES	0630	1500
8/27	Aaron Ting	AET	0630	1615
8/27	Stephanie Hall	SES	0630	1530
8/27	Bob Mardock	SES	215	1600

DAILY PROJECT REPORT



Project: BASF, Lot 1102
180 Mill Street
Cranston, RI

Submitted By: Aaron C. Ting
Signature:
Date: 8/28/2018

Weather: Sunny

Daily Precipitation: 0" Temp: 95-75
(Hi - low)

PERSONNEL/EQUIPMENT			
Contractor	No.	Owner/Representative: N/A	
	Superintendent		
	1 Foremen	SES	
	H&S/QA Officer		
	4 Operators	SES	
	1 Laborers	SES	
	Other Trades (Surveyor)		
SubContractor	No. Company/Firm	AEI Personnel: Aaron Ting 1	
		Joe Drebaum 1	
		Robert Medaglio 1	
	9 Total Personnel On Site	Visitors On Site: N/A	

MAJOR EQUIPMENT:	EQUIPMENT/MATERIALS RECEIVED:
2 support trucks, Bobcat 289D skid steer, CAT 321C/322 excavators	
CAT 996H Loader, 20-yard metal recycling container,	
United Rentals 5 cy dump truck, 20-cy dump trailer	
2-trash/recycling bins, 2-100 yd rail cars	
hoe ram	

WORK COMPLETED:

SES continued excavations to remove soils designated as Type 2B. Soils removed, transported via 20cy dump trailer and temporarily stockpiled on Lot 2682. Excavation stake locations include:

- 360, 374, 375, 350 (3' depth).
- 348, 349, 350, 376 (3' depth).

Concrete removed from excavations were comingled with soils. SES encountered a concrete structure (apparent drain manhole). The structure was demolished. Demo material comingled with disposal soils and added to stockpile.

AEI collected post excavation samples for Dexsil and laboratory analysis.

Approximately, 63.5 cubic yards of Type 2B soils were excavated and transported from Lot 1102 to 2682 for temporary stockpiling and future rail transport. ACT 8/20/16 RE

AEI set up and calibrated perimeter dust monitors. Elevated dust readings observed today were attributed to high moisture content in the air. SES used water to control fugitive dust emissions. SES covered stockpiles and surrounded by haybales at the end of the workday. SES managing stockpiles and surrounding deeper excavations (>3') with staked orange snow fence. SES used a higher strength tarp to cover the 2B soils on Lot 2682 due to the rebar and other debris puncturing the 6-mil poly.

Results of the potential ACM were received from SES today. Results showed no ACM detection.

HEALTH & SAFETY:

AEI has reviewed SES's Safe Work Form/Pre-Task Plan for today, and verifies, by signing below, that these documents comply with the procedures and content of SES's HASP."

AEI Signature:

SES/AEI conducted daily H&S tailgate meeting to review work scope and safety precautions/JSAs associated with safe work practices. See SES SWP/PTP for topics discussed and issues raised.

ISSUES/CHANGES/RESOLUTIONS:

N/A

DISCUSSIONS/CLIENT DIRECTION:

N/A



DAILY WORKSHEET

Date: 8/28/18

Project Number: 18-0315

TUESDAY

CLIENT / SITE INFORMATION

Name: BASF

Address: 180 MILL ST.

CRAWFORD, RI

Contact: AARON (AEI)

PROJECTS NOTES

HELD HTS MEETING / REVIEWED SOW W/ AEI CONT. CONCRETE REMOVAL EFFORTS.
@CELL 374-375 DOWN TO 3'. BEGAN CONCRETE @ CELL 351-359 - ENCOUNTERED MAN HOLE
COVER THAT LED TO 3' PIPING. REMOVED CONCRETE DOWN TO 2'. REMOVED CONCRETE @ CELL
348-350 DID NOT FINISH. COVERED STOCKPILES AND LOCKED UP SITE.

LABOR

MATERIALS / EQUIPMENT / TOOLS

Name	Position	Travel	On-site	Off-Site	Travel	Quantity	Item / Description
R. DOUGHERTY	SUP		1630	1500			PPE Level: A B C (D)-MOD
M. JAMROS	FT		1	1		2	SERVICE VEH.
J. SZPILA	OP		1	1		1	SITE TRAILER/RESTROOM/SINK
D. BERGERON	OP		1	1		1	GENERATOR
B. ROE	OP		1	1		1	CONEX BOX
S. LAJOIE	DR		1	1		2	EXCAVATORS (32K/322L) HAMMER
						1	SKID STEER (789D)
						1	LOADER (966H)

SUBCONTRACTORS

UNITED - RESTROOM (CLEANING)	2	ROLL OFF CANS (METAL/SOIL 409 HBR/280637R4R)
MT. WHELAN - FUELING EQUIPMENT	1	DUMP TRUCK (UR 10558256)
	2 EA	6 MIL POLY ROLL
	12 EA	CHK BOOTS/TYREK (WHITE)
	6 EA	FIRE HOSE 1.5" X 50' / NOZZLE + METER
	6 EA	HYDRATION
	2	TRASH DUMPSTERS 4YD EA.
	1	100 X 100 TARP (BLUE 8 MIL)

WEATHER OBSERVATIONS

HOT! MID 90°S

Project Manager's Signature: _____

Client's Signature: _____

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Location of Work	180 Mill Street, Cranston, RI
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Contact phone # (509) 579-2565

[illegible][illegible]

Project:
BASF Facility
Cranston, RI
Date (8/28)

DAILY SAFE WORK FORM

SES
 (Page 2 of 6)

Type of Equipment/Vehicles/Motorized Equipment

<input checked="" type="checkbox"/> Field Service Trailer	<input checked="" type="checkbox"/> Roll-off Tractor Truck
<input checked="" type="checkbox"/> Excavators	<input checked="" type="checkbox"/> Roll-off containers
<input checked="" type="checkbox"/> Loader	<input checked="" type="checkbox"/> Dump Truck/Triaxle
<input type="checkbox"/> Track Dozer	<input type="checkbox"/> Dump Trailers
<input checked="" type="checkbox"/> Skid Steer Loader	<input checked="" type="checkbox"/> Pickup Utility Trucks
<input type="checkbox"/> Frac Tank	<input type="checkbox"/> Sump Pump
<input checked="" type="checkbox"/> Generator	<input type="checkbox"/> Trench Box
<input type="checkbox"/> Water Buffalo	<input type="checkbox"/> NaOH Storage Tank
<input type="checkbox"/> Sawzail	<input type="checkbox"/> Other (list)

This work also requires the use of the permits or documents checked below

<input checked="" type="checkbox"/> PROJECT-SPECIFIC HASP
<input type="checkbox"/> LOCK-OUT, TAG-OUT PERMIT
<input checked="" type="checkbox"/> PRE-TASK PLANNING FORM
<input type="checkbox"/> CONFINED SPACE ENTRY PERMIT
<input type="checkbox"/> OTHERS (LIST)

Anticipated Project Risks and Hazards Identification Identify the source/s used and include necessary specific information (See Daily Pre-Task Plan for day-specific information)

Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
X		Pre-work Inspection of the work site	See SES HASP
X		MSDS review / includes any 'new' chemicals	MSDS Sheets Provided in HASP
	X	Crane Operations	
	X	Elevated Work	
X		Environmental Conditions	See SES HASP
X		Heavy Powered Mobile Equipment Use	Excavators to load soil into trucks, truck traffic
	X	Language / Communication Difficulties	
X		Materials to be used	See Pre-Task Plan
	X	Overhead Work / Rigging	
	X	Special Equipment to be used	
X		Trenching / Excavation	See SES HASP
	X	Utilities System tie-in / restrictions	
X		Other Risks or Hazards	PCB/VOC-contaminated soils; Sodium Persulfate

Anticipated Project Required Precautions & Protective Measures Be sure that each identified Risk or Hazard is addressed (See Daily Pre-Task Plan for day-specific information)

Need	N/A	Area	Specific measures that are required
X		Access & Egress Plans (People & Equipment)	To be developed on site with SES work crew
	X	Barricades needed	
	X	BASF equipment / materials to be used	
	X	Electrical safety equipment required	
	X	Elevator use	
X		Emergency Equipment	See SES HASP
X		Emergency Plans / Emergency Responder	See SES HASP
	X	Fall protection	
X		First Aid / Medical Treatment provisions	See SES HASP
	X	HOT WORK Procedure requirements	
	X	HVAC System requirements	
	X	LINE-BREAKING procedure requirements	
	X	Scaffolds / decking	
X		Temporary electrical power	See SES HASP
	X	Temporary Utilities services	
X		Trench / Excavation Boxes	See SES HASP

Project:
BASF Facility
Cranston, RI
Date (8/28)

DAILY SAFE WORK FORM

SES
(Page 3 of 6)

Other Requirements

Required Personal Protective Equipment (PPE) Identify the source/s used and check the appropriate boxes

<input type="checkbox"/> PPE GRID <input checked="" type="checkbox"/> MSDS <input type="checkbox"/> BASF Knowledge <input type="checkbox"/> Work Provider Knowledge <input type="checkbox"/> Prior SWP					
YES	NO	ITEM	YES	NO	ITEM
X		Hardhat (either) <input type="checkbox"/> Fiberglass <input checked="" type="checkbox"/> Plastic		X	Rain Suit <input type="checkbox"/> Jacket <input type="checkbox"/> Pants
X		Safety Glasses, ANZI-rated, side shields		X	Chemical Suit <input type="checkbox"/> Jacket <input type="checkbox"/> Pants
	X	Goggles <input type="checkbox"/> Chemical <input type="checkbox"/> Dust		X	Personal Fall Protection Equipment
	X	Faceshield	X		Gloves <input checked="" type="checkbox"/> Chemical <input type="checkbox"/> Work
X		Hearing Protection <input checked="" type="checkbox"/> Plugs <input type="checkbox"/> Muffs	X		Long sleeve shirt and steel toed boots with steel shank
	X	Respirator <input type="checkbox"/> Half-mask <input type="checkbox"/> Full-face	X		Boots <input type="checkbox"/> Rubber <input checked="" type="checkbox"/> Other
	X	Dust Mask		X	Welding Protection
	X	Fire Retardant Electrical Clothing		X	Retrieval System for Confined Spaces
X		Eyewash Station	X		Mobile phone or radios
X		Tyvek Suits	X		Insect repellent, sunscreen
		Other PPE (list)	X		High-visibility, reflective vest

Training Requirements

Need	N/A	Area
X	X	BASF Safety Orientation (if required)
X		MSDS Reviews
X		Review of precautions listed above per SES HASP
X		Review of required PPE
		Other training (specify) –

Project: BASF Facility Cranston, RI Date (8/28)	DAILY SAFE WORK FORM	SES (Page 4 of 6)
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STRATEGIC ENVIRONMENTAL SERVICES	PROJECT / JOB / TASK (Description): BASF Cranston/CMI Implementation	LOCATION: 180 Mill Street, Cranston, RI	DATE 8/28/18
PRE-TASK PLAN (PTP)	SES SUPERVISOR: RYAN DOUGHERTY		

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task List (Check off AND Circle today's activities)	
<input type="checkbox"/>	Task 1 - Permitting
<input type="checkbox"/>	Task 2 - Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
<input checked="" type="checkbox"/>	Task 3 - Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
<input checked="" type="checkbox"/>	Task 4 - Transportation and Disposal of Contaminated Material
<input type="checkbox"/>	Task 5 - Backfilling and Grading/Geotextile and Vegetation Placement
<input type="checkbox"/>	Task 6 - Demobilization

Tasks, Potential Hazards, and Recommended Actions or Procedures				
Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
<input checked="" type="checkbox"/>	3	Chemical Hazards	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B1 Chemical: JSA 10
<input checked="" type="checkbox"/>	3,4,5	Dust/Fumes/Particulates	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B2 Dust: JSAs 1,2,4,5,6
<input checked="" type="checkbox"/>	3,4,5,6	Job Zone Control	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B3 Job Zone Control; All JSAs
<input checked="" type="checkbox"/>	3,4,5,6	Heat	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input checked="" type="checkbox"/>	B4 Heat: All JSAs
<input type="checkbox"/>	3,4,5,6	Cold	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B5 Cold; All JSAs
<input checked="" type="checkbox"/>	1,3,4,5,6	Severe Weather	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B6 Severe Weather: All JSAs
<input type="checkbox"/>	3,4,5,6	Walking/Working Surfaces	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
<input checked="" type="checkbox"/>	4,5,6	Noise	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B8 Noise: All JSA's
<input checked="" type="checkbox"/>	5,6	Live Electrical Equipment	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B14 Live Electrical Equip: JSA 5,6,9
<input type="checkbox"/>	4,5	Poor Lighting	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
<input checked="" type="checkbox"/>	4,5,6	Overhead Hazards	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B15 Overhead Hazards: JSA 2,5,6
<input checked="" type="checkbox"/>	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B17 Traffic Management: All JSA
<input checked="" type="checkbox"/>	5,6	Heavy machinery/drill rigs	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B18 Heavy Machinery: JSA 4,5

Project:
BASF Facility
Cranston, RI
Date (8/28)

DAILY SAFE WORK FORM

SES
(Page 5 of 6)

Tasks, Potential Hazards, and Recommended Actions or Procedures

Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
<input checked="" type="checkbox"/>	5,6	Trenching/Excavation	NA <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B19 Trenching/Excavation: JSA 4,5,6,8
<input checked="" type="checkbox"/>	1,3,4,5,6	Vehicle use	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B20 Vehicle Use: All JSA
<input type="checkbox"/>	2,3	Work near/on water	NA <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B21 Work Near/On Water: JSA 1
<input type="checkbox"/>	4,5	Elevated heights (<4ft)	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B22 Working from Heights (<4 feet)
<input type="checkbox"/>	4,5	Elevated heights (>4ft)	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B23 Working from Heights (>4 feet)
<input checked="" type="checkbox"/>	5,6	Overhead/underground utilities	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B24 Overhead/Underground Utilities: JSA 1,3,4
<input type="checkbox"/>	4,5,6	Powered hand tools	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B25 Electrically Powered Equipment and Tools: JSA 9
<input type="checkbox"/>	4,5,6	Electrically powered equipment	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B25 Electrically Powered Equipment and Tools: JSA 9
<input type="checkbox"/>	4,5,6	Cutting devices/tools	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B26 Cutting Devices/Tools; JSA 9
<input checked="" type="checkbox"/>	4,5	Drums, cylinders, containers	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B1 Chemical: JSA 4
<input checked="" type="checkbox"/>	3,4,5,6	Material handling, ergonomics	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B29 Material Handling/Ergonomics: JSA 2,6,7,9
<input checked="" type="checkbox"/>	3,5,6	Poisonous/irritating plants	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B32 Plants and Animals: All JSAs
<input checked="" type="checkbox"/>	4,5,6	Insects/rodents/snakes	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B32 Plants and Animals; All JSAs
<input checked="" type="checkbox"/>	3,5,6	Ticks, mosquitos	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B32 Poisonous Plants, Animals, and Insects; All JSA
<input type="checkbox"/>	1,3,4,5,6	Employees working early/late	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B34 Personal Safety; All JSAs
<input type="checkbox"/>	Note: A single hazard may be listed under several Tasks. In this case, use the highest Severity ranking of the tasks evaluated as the overall ranking.			

Description of Any Additional Activities, And Associated Health and Safety Risks and Protective Procedures/Equipment:

BASF
180 Mill Street, Lot 1102
Cranston, RI

Date	Name	Company Name	Time In	Time out
8/28	RYAN DOUGHERTY	SES	0630	15:00
8/28	Mike Jamros	SES	0630	1500
8/28	John Sepila	SES	0630	1500
8/28	Dennis Bergen	SES	0630	1500
8/28	Barz Roriz	SES	06:30	15:00
8/28	Robert Medaglia	AEI	06:30	15:15
8/28	Aaron Ting	AEI	0630	1515
8/28	Joseph Prehann	AEJ	06:30	15:15
8/28	Scott Lajoie	SES	0900	1455
1/28	Tyler	MJ meehan	1345	1415

DAILY PROJECT REPORT



Project: BASF, Lot 1102
180 Mill Street
Cranston, RI

Submitted By: Aaron C. Ting
Signature:
Date: 8/29/2018

Weather: Sunny

Daily
Precipitation: 0" Temp: 102-75
(Hi - low)

PERSONNEL/EQUIPMENT		EQUIPMENT/MATERIALS RECEIVED:	
Contractor	No.	Owner/Representative: N/A	
	Superintendent		
	1 Foremen	SES	
	1 H&S/QA Officer	SES	
	5 Operators	SES	
	3 Laborers	SES	
	Other Trades (Surveyor)		
SubContractor	No. Company/Firm	Visitors On Site: N/A	
	13 Total Personnel On Site		
MAJOR EQUIPMENT: 2 support trucks, Bobcat 289D skid steer, CAT 321C/322 excavators CAT 996H Loader, 20-yard metal recycling container, United Rentals 5 cy dump truck, 20-cy dump trailer 2-trash/recycling bins, 2-100 yd rail cars hoe ram		4,000 gallon baffle and 10,000 gallon frac tank	
WORK COMPLETED: SES continued excavations to remove soils designated as Type 2B. Soils removed, transported via 20cy dump trailer and temporarily stockpiled on Lot 2682. Excavation stake locations include: - 360, 374, 375, 350 (3' depth). - 335, 336b, 337, 338 (3' depth); - 329, 330, 331, 332 (3' depth). Concrete removed from excavations were comingled with soils. SES had to reject load of liners for rail cars due to improper staging on truck/delivery to site. SES repaired stockpile area on Lot 2682, i.e., haybales and 20-mil poly. AEI collected post excavation samples for Dexsil and laboratory analysis. Approximately, 43.5 cubic yards of Type 2B soils were excavated and transported from Lot 1102 to 2682 for temporary stockpiling and future rail transport. AEI set up and calibrated perimeter dust monitors. No elevated dust readings at perimeter were observed. SES used water to control fugitive dust emissions. SES covered stockpiles and surrounded by haybales at the end of the workday. SES managing stockpiles and surrounding deeper excavations (>3') with staked orange snow fence. SES used a higher strength tarp to cover the 2B soils on Lot 2682 due to the rebar and other debris puncturing the 6-mil poly. Fractionation tank delivered onsite had water in it. LRT (frac tank manufacturer) to be onsite tomorrow to pump and removed water offsite. This water is not associated with the site. <u>(rain water collected in tank) ACT 8/29/18 CL</u>			
HEALTH & SAFETY: AEI has reviewed SES's Safe Work Form/Pre-Task Plan for today, and verifies, by signing below, that these documents comply with the procedures and content of SES's HASP. AEI Signature: SES/AEI conducted daily H&S tailgate meeting to review work scope and safety precautions/JSAs associated with safe work practices. See SES SWP/PTP for topics discussed and issues raised.			
ISSUES/CHANGES/RESOLUTIONS: N/A			
DISCUSSIONS/CLIENT DIRECTION: N/A			



DAILY WORKSHEET

Date: 8/29/18

Project Number: 18-0315

WEDNESDAY.

CLIENT / SITE INFORMATION

Name: BASF

Address: 180 MILL ST.

CRAWSTON, RI

Contact: RICK (AEI)

PROJECTS NOTES

HELD HTS MEETING / REVIEWED SOW W/ AEI / CONT. REMOVING CONCRETE FROM EXCAVATIONS W/ HAMMER. EXCAVATIONS OUTLINED ON EMM SHEET / TOOK DELIVERY OF (2) FRAC TANKS - REJECTED (1) ROR BECAUSE OF WATER IN TANK. (LRT WILL PUMP OUT TMRW) UPS DELIVERY OF LINERS WAS REJECTED - SHIPPER DID NOT PACKAGE LOAD PROPERLY COULD NOT REMOVE FROM TRUCK / SEPARATED STUMPS FROM BRUSH PILE IN PREP OF LOADOUT IN A.M. / RETAINED STOCKPILE IN LOT 268Q (SHEETING + BALES) / COVERED STOCKPILES DE-CON EXCAVATOR BUCKET TO HANDLE BRUSH PILE.

LABOR

MATERIALS / EQUIPMENT / TOOLS

Name	Position	Travel	On-site	Off-Site	Travel	Quantity	Item / Description
R. DOUGHERTY	SUP		0715	1400			PPE Level: A B C (D) MOD.
M. JAMROS	FT			1515		2	SERVICE VEH.
J. SZPILA	OP			1515		1	SITE TRAILER / RESTROOM / SINK
A. HAYES	FT			1515		1	GENERATOR
B. ROE	OP			1515		1	CONEX BOX
K. SWEENEY	OP			1415		2	EXCAVATORS (321C / 322L) HAMMER
S. HALL	FT			1515		1	SKID STEER (289D)
M. AYOTE	DR.		0800	1300		1	LOADER (966H)
SUBCONTRACTORS	D. BERGERAN / OP		1015	1515		1	ROLL OFF TRUCK
LRT-DELIVERY OF FRAC TANKS - REJECTED ROR						2	ROLL OFF CANS (METAL 401NER / 5016 322L 37 E4E)
UPS - LINERS WERE REJECTED - FELL OVER IN TRUCK COULD NOT REMOVE. 2 PALLETES EA. WEIGH 4K LBS.						2	FRAC TANKS (LRT) (5W04 / 10W05C)
						1	DUMP TRUCK (DR10558256)
						2	TRASH DUMPSTERS 41DEA.
						9 EA.	HYDRATION
						6 EA.	FIRE HOSE 1.5" X 50' W/NEZZLE + METER
						10 EA.	TYVEK SUITS (WHITE)
						10 EA.	CHK BOOTS

WEATHER OBSERVATIONS

HOT! MID 90'S

Project Manager's Signature: _____

Client's Signature: _____

Project:
BASF Facility
Cranston, RI
Date (8/29)

DAILY SAFE WORK FORM

SES
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Type of Equipment/Vehicles/Motorized Equipment

<input checked="" type="checkbox"/> Field Service Trailer	<input checked="" type="checkbox"/> Roll-off Tractor Truck
<input checked="" type="checkbox"/> Excavators	<input checked="" type="checkbox"/> Roll-off containers
<input checked="" type="checkbox"/> Loader	<input checked="" type="checkbox"/> Dump Truck/Triaxle
<input type="checkbox"/> Track Dozer	<input type="checkbox"/> Dump Trailers
<input checked="" type="checkbox"/> Skid Steer Loader	<input checked="" type="checkbox"/> Pickup Utility Trucks
<input checked="" type="checkbox"/> Frac Tank	<input type="checkbox"/> Sump Pump
<input checked="" type="checkbox"/> Generator	<input type="checkbox"/> Trench Box
<input type="checkbox"/> Water Buffalo	<input type="checkbox"/> NaOH Storage Tank
<input type="checkbox"/> Sawzail	<input type="checkbox"/> Other (list)

This work also requires the use of the permits or documents checked below

<input checked="" type="checkbox"/> PROJECT-SPECIFIC HASP
<input type="checkbox"/> LOCK-OUT, TAG-OUT PERMIT
<input checked="" type="checkbox"/> PRE-TASK PLANNING FORM
<input type="checkbox"/> CONFINED SPACE ENTRY PERMIT
<input type="checkbox"/> OTHERS (LIST)

Anticipated Project Risks and Hazards Identification Identify the source/s used and include necessary specific information (See Daily Pre-Task Plan for day-specific information)

Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
X		Pre-work Inspection of the work site	See SES HASP
X		MSDS review / includes any 'new' chemicals	MSDS Sheets Provided in HASP
	X	Crane Operations	
	X	Elevated Work	
X		Environmental Conditions	See SES HASP
X		Heavy Powered Mobile Equipment Use	Excavators to load soil into trucks, truck traffic
	X	Language / Communication Difficulties	
X		Materials to be used	See Pre-Task Plan
	X	Overhead Work / Rigging	
	X	Special Equipment to be used	
X		Trenching / Excavation	See SES HASP
	X	Utilities System tie-in / restrictions	
X		Other Risks or Hazards	PCB/VOC-contaminated soils; Sodium Persulfate

Anticipated Project Required Precautions & Protective Measures Be sure that each identified Risk or Hazard is addressed (See Daily Pre-Task Plan for day-specific information)

Need	N/A	Area	Specific measures that are required
X		Access & Egress Plans (People & Equipment)	To be developed on site with SES work crew
	X	Barricades needed	
	X	BASF equipment / materials to be used	
	X	Electrical safety equipment required	
	X	Elevator use	
X		Emergency Equipment	See SES HASP
X		Emergency Plans / Emergency Responder	See SES HASP
	X	Fall protection	
X		First Aid / Medical Treatment provisions	See SES HASP
	X	HOT WORK Procedure requirements	
	X	HVAC System requirements	
	X	LINE-BREAKING procedure requirements	
	X	Scaffolds / decking	
X		Temporary electrical power	See SES HASP
	X	Temporary Utilities services	
X		Trench / Excavation Boxes	See SES HASP

Project: BASF Facility Cranston, RI Date (8/29)	<h2 style="margin: 0;">DAILY SAFE WORK FORM</h2>	SES (Page 3 of 6)
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	Other Requirements
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Required Personal Protective Equipment (PPE) Identify the source/s used and check the appropriate boxes											
		<input type="checkbox"/> PPE GRID		<input checked="" type="checkbox"/> MSDS		<input type="checkbox"/> BASF Knowledge		<input type="checkbox"/> Work Provider Knowledge		<input type="checkbox"/> Prior SWP	
YES	NO	ITEM				YES	NO	Item			
<input checked="" type="checkbox"/>		Hardhat (either) <input type="checkbox"/> Fiberglass <input checked="" type="checkbox"/> Plastic					<input checked="" type="checkbox"/>	Rain Suit <input type="checkbox"/> Jacket <input type="checkbox"/> Pants			
<input checked="" type="checkbox"/>		Safety Glasses, ANSI-rated, side shields					<input checked="" type="checkbox"/>	Chemical Suit <input type="checkbox"/> Jacket <input type="checkbox"/> Pants			
	<input checked="" type="checkbox"/>	Goggles <input type="checkbox"/> Chemical <input type="checkbox"/> Dust					<input checked="" type="checkbox"/>	Personal Fall Protection Equipment			
	<input checked="" type="checkbox"/>	Faceshield				<input checked="" type="checkbox"/>		Gloves <input checked="" type="checkbox"/> Chemical <input type="checkbox"/> Work			
<input checked="" type="checkbox"/>		Hearing Protection <input checked="" type="checkbox"/> Plugs <input type="checkbox"/> Muffs				<input checked="" type="checkbox"/>		Long sleeve shirt and steel toed boots with steel shank			
	<input checked="" type="checkbox"/>	Respirator <input type="checkbox"/> Half-mask <input type="checkbox"/> Full-face				<input checked="" type="checkbox"/>		Boots <input type="checkbox"/> Rubber <input checked="" type="checkbox"/> Other			
	<input checked="" type="checkbox"/>	Dust Mask					<input checked="" type="checkbox"/>	Welding Protection			
	<input checked="" type="checkbox"/>	Fire Retardant Electrical Clothing					<input checked="" type="checkbox"/>	Retrieval System for Confined Spaces			
<input checked="" type="checkbox"/>		Eyewash Station				<input checked="" type="checkbox"/>		Mobile phone or radios			
<input checked="" type="checkbox"/>		Tyvek Suits				<input checked="" type="checkbox"/>		Insect repellent, sunscreen			
		Other PPE (list)				<input checked="" type="checkbox"/>		High-visibility, reflective vest			

Training Requirements		
Need	N/A	Area
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	BASF Safety Orientation (if required)
<input checked="" type="checkbox"/>		MSDS Reviews
<input checked="" type="checkbox"/>		Review of precautions listed above per SES HASP
<input checked="" type="checkbox"/>		Review of required PPE
		Other training (specify) –

Project:
BASF Facility
Cranston, RI
Date (8/29)

DAILY SAFE WORK FORM

SES
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STRATEGIC ENVIRONMENTAL SERVICES	PROJECT / JOB / TASK (Description): BASF Cranston/CMI Implementation	LOCATION: 180 Mill Street, Cranston, RI	DATE <u>8/29/18</u>
PRE-TASK PLAN (PTP)	SES SUPERVISOR: <u>RYAN DOUGHERTY</u>		

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task List (Check off AND Circle today's activities)	
<input type="checkbox"/>	Task 1 - Permitting
<input type="checkbox"/>	Task 2 – Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
<input checked="" type="checkbox"/>	Task 3 – Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
<input checked="" type="checkbox"/>	Task 4 – Transportation and Disposal of Contaminated Material
<input type="checkbox"/>	Task 5 – Backfilling and Grading/Geotextile and Vegetation Placement
<input type="checkbox"/>	Task 6 - Demobilization

Tasks, Potential Hazards, and Recommended Actions or Procedures				
Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
<input checked="" type="checkbox"/>	3	Chemical Hazards	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B1 Chemical: JSA 10
<input checked="" type="checkbox"/>	3,4,5	Dust/Fumes/Particulates	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B2 Dust: JSAs 1,2,4,5,6
<input checked="" type="checkbox"/>	3,4,5,6	Job Zone Control	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B3 Job Zone Control; All JSAs
<input checked="" type="checkbox"/>	3,4,5,6	Heat	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input checked="" type="checkbox"/>	B4 Heat: All JSAs
<input type="checkbox"/>	3,4,5,6	Cold	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B5 Cold; All JSAs
<input checked="" type="checkbox"/>	1,3,4,5,6	Severe Weather	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B6 Severe Weather: All JSAs
<input checked="" type="checkbox"/>	3,4,5,6	Walking/Working Surfaces	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
<input checked="" type="checkbox"/>	4,5,6	Noise	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B8 Noise: All JSA's
<input checked="" type="checkbox"/>	5,6	Live Electrical Equipment	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B14 Live Electrical Equip: JSA 5,6,9
<input type="checkbox"/>	4,5	Poor Lighting	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
<input checked="" type="checkbox"/>	4,5,6	Overhead Hazards	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B15 Overhead Hazards: JSA 2,5,6
<input checked="" type="checkbox"/>	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B17 Traffic Management: All JSA
<input checked="" type="checkbox"/>	5,6	Heavy machinery/drill rigs	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B18 Heavy Machinery: JSA 4,5

Project:
BASF Facility
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DAILY SAFE WORK FORM

SES
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Tasks, Potential Hazards, and Recommended Actions or Procedures

Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
<input checked="" type="checkbox"/>	5,6	Trenching/Excavation	NA <input checked="" type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High	B19 Trenching/Excavation: JSA 4,5,6,8
<input checked="" type="checkbox"/>	1,3,4,5,6	Vehicle use	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High	B20 Vehicle Use: All JSA
<input checked="" type="checkbox"/>	2,3	Work near/on water	NA <input checked="" type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High	B21 Work Near/On Water: JSA 1
<input type="checkbox"/>	4,5	Elevated heights (<4ft)	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High	B22 Working from Heights (<4 feet)
<input type="checkbox"/>	4,5	Elevated heights (>4ft)	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High	B23 Working from Heights (>4 feet)
<input checked="" type="checkbox"/>	5,6	Overhead/underground utilities	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High	B24 Overhead/Underground Utilities: JSA 1,3,4
<input type="checkbox"/>	4,5,6	Powered hand tools	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High	B25 Electrically Powered Equipment and Tools: JSA 9
<input checked="" type="checkbox"/>	4,5,6	Electrically powered equipment	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High	B25 Electrically Powered Equipment and Tools: JSA 9
<input type="checkbox"/>	4,5,6	Cutting devices/tools	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High	B26 Cutting Devices/Tools; JSA 9
<input checked="" type="checkbox"/>	4,5	Drums, cylinders, containers	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High	B1 Chemical: JSA 4
<input checked="" type="checkbox"/>	3,4,5,6	Material handling, ergonomics	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High	B29 Material Handling/Ergonomics: JSA 2,6,7,9
<input checked="" type="checkbox"/>	3,5,6	Poisonous/irritating plants	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High	B32 Plants and Animals: All JSAs
<input checked="" type="checkbox"/>	4,5,6	Insects/rodents/snakes	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High	B32 Plants and Animals; All JSAs
<input checked="" type="checkbox"/>	3,5,6	Ticks, mosquitos	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High	B32 Poisonous Plants, Animals, and Insects; All JSA
<input type="checkbox"/>	1,3,4,5,6	Employees working early/late	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High	B34 Personal Safety; All JSAs
<input type="checkbox"/>	Note: A single hazard may be listed under several Tasks. In this case, use the highest Severity ranking of the tasks evaluated as the overall ranking.			

Description of Any Additional Activities, And Associated Health and Safety Risks and Protective Procedures/Equipment:

BASF
180 Mill Street, Lot 1102
Cranston, RI

Date	Name	Company Name	Time In	Time out
8/29	RYAN DOUGHERTY	SES	0715	1400
8/29	Mike Jambos	SES	0715	3:15
8/29	John Sepina	SES	0715	3:45 1500
8/29	Andrew Hayes	SES	07:15	3:12
8/29	Brian Root	SES	07:15	3:15
8/29	Kennel Sweeney	SES	0715	1415
8/29	Stephanie Hall	SES	0715	1530 14:55
8/29	Rich Konowski	AEI	0:200	14:55 90
8/29	Robert Medaglia	AEI	0700	15:30
8/29	Joseph Dreban	AEI	0700	15 30
08/29	Tom Dylek	SES	0840	0949
08/29	Dennis Bergman	SES	1018	313
08/29	Mike Ayth	SES	0800	1300

DAILY PROJECT REPORT



Project: BASF, Lot 1102
180 Mill Street
Cranston, RI

Submitted By: Aaron C. Ting
Signature:
Date: 8/30/2018

Weather: Sunny

Daily
Precipitation: 0" Temp: 88-67
(Hi - low)

PERSONNEL/EQUIPMENT		EQUIPMENT/MATERIALS RECEIVED:	
Contractor	No.	Owner/Representative:	N/A
	Superintendent		
	1 Foremen	SES	
	H&S/QA Officer		
	4 Operators	SES	
	3 Laborers	SES	
	Other Trades (Surveyor)		
SubContractor	No. Company/Firm	AEI Personnel:	Aaron Ting 1
			Joe Drebaum 1
			Robert Medaglio 1
		Visitors On Site:	N/A
	11 Total Personnel On Site		
MAJOR EQUIPMENT:		EQUIPMENT/MATERIALS RECEIVED:	
2 support trucks, Bobcat 289D skid steer, CAT 321C/322 excavators		Hay bales - S&M Farms	
CAT 996H Loader, 20-yard metal recycling container,			
United Rentals 5 cy dump truck, 20-cy dump trailer			
2-trash/recycling bins, 2-100 yd rail cars			
hoe ram, 4,000 gallon baffle and 10,000 gallon frac tank			
WORK COMPLETED:			
SES continued excavations to remove soils designated as Type 2A. Soils removed, transported via loader to temporary stockpile area on Lot 1102. Soils excavated from each excavation area were separated into distinct stockpiles. Excavation stake locations include:			
- 339, 333, 334, 335 (3' depth)			
- 352, 353, 359, 361, 360, 356 (2' depth).			
Concrete removed from excavations were comingled with soils. Continued using the hoe ram to break up concrete foundation walls and slabs to achieve target excavation limits/depths per plan. SES expanded temporary stockpile area for Type-2A soils by placing 20mil poly on ground surface and surrounded by hay bales			
AEI collected post excavation samples for Dexsil and laboratory analysis.			
Approximately, 74.5 cubic yards of Type 2A soils were excavated and transported to the temporary stockpile location on Lot 1102.			
AEI set up and calibrated perimeter dust monitors. Two dust alerts (>100 ug/m3) were observed at the northeast side of the property. SES continued to use water to control fugitive dust emissions and increased watering of equipment tracking area to control dust generation when vehicles moving around property.			
SES covered stockpiles and surrounded by haybales at the end of the workday. SES managing stockpiles and surrounding deeper excavations (>3') with staked orange snow fence. SES used a higher strength tarp to cover the 2B soils on Lot 2682 due to the rebar and other debris puncturing the 6-mil poly.			
LRT onsite to pump and removed water offsite. This water is not associated with the site remediation efforts (rainwater)			
Brush was loaded into 70-cy dump trailer for transport by NER to the G. Lopes facility in Raynham, MA for reuse. The brush was generated as part of the clearing operations and not in contact with the impacted soils.			
HEALTH & SAFETY:			
AEI has reviewed SES's Safe Work Form/Pre-Task Plan for today, and verifies, by signing below, that these documents comply with the procedures and content of SES's HASP.			
AEI Signature:			
SES/AEI conducted daily H&S tailgate meeting to review work scope and safety precautions/JSAs associated with safe work practices. See SES SWP/PTP for topics discussed and issues raised. Two SES personnel were sent home early due to heat related issues. No medical treatment necessary.			
ISSUES/CHANGES/RESOLUTIONS:			
N/A			
DISCUSSIONS/CLIENT DIRECTION:			
N/A			



DAILY WORKSHEET

Date: 8/30/18

Project Number: 18-0315

THURSDAY

CLIENT / SITE INFORMATION

Name: BASF

Address: 180 MILL ST.

CRANSTON, RI

Contact: AARON (AEI)

PROJECTS NOTES

HELD HHS MEETING / REVIEWED SOW w/ AEI / SEPARATE STUMPS AND LOADED CUT BRUSH
PILE(x2) / IN BETWEEN BRUSH PILE LOADS BEGAN EXCAVATING 2A SOILS TO EXPOSE CONCRETE / DECON
LOADER BUCKET + HAMMER PIN / DECON EXC. BUCKET IN BETWEEN LOADING BRUSH / SEPARATING AND
LABELING (2A) SOIL PILE IN 1102 STOCKPILE / EXPANDED 1102 STOCKPILE FOR (2A) SOILS / DECONNET SKID
STEER FOR DELIVERY USE OF HAYBALES w/ FORKS / EXC. TEST PITS IN 2A SOILS FOR IDENTIFICATION OF FURTHER
CONCRETE / CUT UP BRUSH w/ CHAIN SAW / PICKED UP WATER METER FOR LOT 2682 PROV. WATER DEPT.

LABOR

Name	Position	Travel	On-site	Off-Site	Travel
R. DOUGHERTY	SUP		0630	1630	
B. ROE	OP			1530	
B. SIMPSON	OP			1230	
A. HAYES	PT			1530	
M. JAMROS	FT			1530	
D. BERGIERON	OP			1530	
J. SZPILA	OP			1530	
S. HALL	FT		0700	1130	

MATERIALS / EQUIPMENT / TOOLS

Quantity	Item / Description
	PPE Level: A B C D-MOD.
2	SERVICE VEH.
1	SITE TRAILER/RESTROOM/SINK
1	GENERATOR
1	CONNEX BOX
2	EXCAVATORS (321C/322L) HAMMER
1	SKID STEER (289D)
1	LOADER (966H)
1	ROLL OFF TRUCK
2	ROLL OFF CANS (409NER/5012 280637 EHR)
2	FRAC TANKS (LRT SW04/10W5C)
1	DUMP TRUCK (UR10558256)
2	TRASH DUMPSTERS (4YDEA)
EA.	HYDRATION
6 EA.	FIRE HOSE 1.5"x50' w/NOZZLE+METER
1 EA.	TYVEK SUITS
EA.	CHK BOOTS

WEATHER OBSERVATIONS

HOT: 90's

Project Manager's Signature: _____

Client's Signature: _____

Project:
BASF Facility
Cranston, RI
Date (8/30)

SES, Sutton, MA
(Page 1 of 6)




Servicing or Maintenance Work Description	
Description of Work: CMI Implementation Project	
Start Date / Time: (Date) (Time) 8/30 0630	
Location of Work	180 Mill Street, Cranston, RI

Strategic Environmental Services, Inc. (SES)
Primary/Lead Company Name: SES
Contact Person: RYAN DOUGHERTY
Contact phone # (508) 579-2565

Sign-off sheet attesting that the HASP has been made available and reviewed by the individual prior to entry into the site, and/or daily H&S briefing. All personnel participating in the project must receive initial Health and Safety Orientation. Thereafter, a tailgate safety meeting is required daily, and as otherwise deemed necessary by the Site Health and Safety Officer. By signing below, an individual certifies that he has read, understood, and will observe the contents of this HASP and Daily Safe Work Form with Pre-Task Planning Form.

Date	Name of Attendee (Print)	Company	Initials
8/30	RIAN DOUGHERTY	SFS	RD
8/30	Sam Rife	SBI	SR
8/30	William Simpson	SFS	W.S.
8/30	Andrew Hayes	SFS	AH
8/30	Mike Jarras	SFS	MJ
8/30	Dennis Bergeron	SFS	DB
8/30	John Sepina	SFS	JS
8/30	Robert Merylo	AET	RM
8/30	Joseph Drebaun	AET	JD
8/30	Arvin Ting	AET	AT
8/30	Stephanie Hull	SFS	SH

It is SES's policy that visitors must furnish their own personal protective equipment. All visitors are required to sign the visitor log and comply with Health and Safety Plan requirements. If the visitor represents a regulatory agency concerned with site health and safety issues, the Designated Site Supervisor shall also immediately notify HSC.

Name of Visitor (Print)	Company Name	Date of Visit	Signature
Aaron Boudreau	LNT	8/30/18	
Shawn Farrow	SJM Farms Inc	8/30/18	
Karen Corleto	Ahm360	8/30/18	

Project: BASF Facility Cranston, RI Date (<u>8/30</u>)	DAILY SAFE WORK FORM	SES (Page <u>2</u> of <u>6</u>)
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Type of Equipment/Vehicles/Motorized Equipment			
<input checked="" type="checkbox"/>	Field Service Trailer	<input checked="" type="checkbox"/>	Roll-off Tractor Truck
<input checked="" type="checkbox"/>	Excavators	<input checked="" type="checkbox"/>	Roll-off containers
<input checked="" type="checkbox"/>	Loader	<input checked="" type="checkbox"/>	Dump Truck/Triaxle
<input type="checkbox"/>	Track Dozer	<input checked="" type="checkbox"/>	Dump Trailers
<input checked="" type="checkbox"/>	Skid Steer Loader	<input checked="" type="checkbox"/>	Pickup Utility Trucks
<input checked="" type="checkbox"/>	Frac Tank	<input type="checkbox"/>	Sump Pump
<input checked="" type="checkbox"/>	Generator	<input type="checkbox"/>	Trench Box
<input type="checkbox"/>	Water Buffalo	<input type="checkbox"/>	NaOH Storage Tank
<input type="checkbox"/>	Sawzail	<input type="checkbox"/>	Other (list)

This work also requires the use of the permits or documents checked below	
<input checked="" type="checkbox"/>	PROJECT-SPECIFIC HASP
<input type="checkbox"/>	LOCK-OUT, TAG-OUT PERMIT
<input checked="" type="checkbox"/>	PRE-TASK PLANNING FORM
<input type="checkbox"/>	CONFINED SPACE ENTRY PERMIT
<input type="checkbox"/>	OTHERS (LIST)

Anticipated Project Risks and Hazards Identification Identify the source/s used and include necessary specific information (See Daily Pre-Task Plan for day-specific information)			
Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
X		Pre-work Inspection of the work site	See SES HASP
X		MSDS review / includes any 'new' chemicals	MSDS Sheets Provided in HASP
	X	Crane Operations	
	X	Elevated Work	
X		Environmental Conditions	See SES HASP
X		Heavy Powered Mobile Equipment Use	Excavators to load soil into trucks, truck traffic
	X	Language / Communication Difficulties	
X		Materials to be used	See Pre-Task Plan
	X	Overhead Work / Rigging	
	X	Special Equipment to be used	
X		Trenching / Excavation	See SES HASP
	X	Utilities System tie-in / restrictions	
X		Other Risks or Hazards	PCB/VOC-contaminated soils; Sodium Persulfate

Anticipated Project Required Precautions & Protective Measures Be sure that each identified Risk or Hazard is addressed (See Daily Pre-Task Plan for day-specific information)			
Need	N/A	Area	Specific measures that are required
X		Access & Egress Plans (People & Equipment)	To be developed on site with SES work crew
	X	Barricades needed	
	X	BASF equipment / materials to be used	
	X	Electrical safety equipment required	
	X	Elevator use	
X		Emergency Equipment	See SES HASP
X		Emergency Plans / Emergency Responder	See SES HASP
	X	Fall protection	
X		First Aid / Medical Treatment provisions	See SES HASP
	X	HOT WORK Procedure requirements	
	X	HVAC System requirements	
	X	LINE-BREAKING procedure requirements	
	X	Scaffolds / decking	
X		Temporary electrical power	See SES HASP
	X	Temporary Utilities services	
X		Trench / Excavation Boxes	See SES HASP

Project: BASF Facility Cranston, RI Date (<u>8/30</u>)	DAILY SAFE WORK FORM	SES (Page <u>3</u> of <u>6</u>)
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Required Personal Protective Equipment (PPE) Identify the source/s used and check the appropriate boxes									
<input type="checkbox"/> PPE GRID		<input checked="" type="checkbox"/> MSDS		<input type="checkbox"/> BASF Knowledge		<input type="checkbox"/> Work Provider Knowledge		<input type="checkbox"/> Prior SWP	
YES	NO	ITEM				YES	NO	Item	
<input checked="" type="checkbox"/>		Hardhat (either) <input type="checkbox"/> Fiberglass <input checked="" type="checkbox"/> Plastic					<input checked="" type="checkbox"/>	Rain Suit <input type="checkbox"/> Jacket <input type="checkbox"/> Pants	
<input checked="" type="checkbox"/>		Safety Glasses, ANZI-rated, side shields					<input checked="" type="checkbox"/>	Chemical Suit <input type="checkbox"/> Jacket <input type="checkbox"/> Pants	
	<input checked="" type="checkbox"/>	Goggles <input type="checkbox"/> Chemical <input type="checkbox"/> Dust					<input checked="" type="checkbox"/>	Personal Fall Protection Equipment	
	<input checked="" type="checkbox"/>	Faceshield				<input checked="" type="checkbox"/>		Gloves <input checked="" type="checkbox"/> Chemical <input type="checkbox"/> Work	
<input checked="" type="checkbox"/>		Hearing Protection <input checked="" type="checkbox"/> Plugs <input type="checkbox"/> Muffs				<input checked="" type="checkbox"/>		Long sleeve shirt and steel toed boots with steel shank	
	<input checked="" type="checkbox"/>	Respirator <input type="checkbox"/> Half-mask <input type="checkbox"/> Full-face				<input checked="" type="checkbox"/>		Boots <input type="checkbox"/> Rubber <input checked="" type="checkbox"/> Other	
	<input checked="" type="checkbox"/>	Dust Mask					<input checked="" type="checkbox"/>	Welding Protection	
	<input checked="" type="checkbox"/>	Fire Retardant Electrical Clothing					<input checked="" type="checkbox"/>	Retrieval System for Confined Spaces	
<input checked="" type="checkbox"/>		Eyewash Station				<input checked="" type="checkbox"/>		Mobile phone or radios	
<input checked="" type="checkbox"/>		Tyvek Suits				<input checked="" type="checkbox"/>		Insect repellent, sunscreen	
		Other PPE (list)				<input checked="" type="checkbox"/>		High-visibility, reflective vest	

Training Requirements		
Need	N/A	Area
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	BASF Safety Orientation (if required)
<input checked="" type="checkbox"/>		MSDS Reviews
<input checked="" type="checkbox"/>		Review of precautions listed above per SES HASP
<input checked="" type="checkbox"/>		Review of required PPE
		Other training (specify) –

Project: BASF Facility Cranston, RI Date (8/30)	DAILY SAFE WORK FORM	SES (Page 4 of 6)
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STRATEGIC ENVIRONMENTAL SERVICES	PROJECT / JOB / TASK (Description): BASF Cranston/CMI Implementation	LOCATION: 180 Mill Street, Cranston, RI	DATE 8/30/18
PRE-TASK PLAN (PTP)	SES SUPERVISOR: RYAN DOUGHERTY		

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task List (Check off AND Circle today's activities)	
<input type="checkbox"/>	Task 1 - Permitting
<input type="checkbox"/>	Task 2 – Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
<input type="checkbox"/>	Task 3 – Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
<input type="checkbox"/>	Task 4 – Transportation and Disposal of Contaminated Material
<input type="checkbox"/>	Task 5 – Backfilling and Grading/Geotextile and Vegetation Placement
<input type="checkbox"/>	Task 6 - Demobilization

Tasks, Potential Hazards, and Recommended Actions or Procedures				
Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
<input checked="" type="checkbox"/>	3	Chemical Hazards	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B1 Chemical: JSA 10
<input checked="" type="checkbox"/>	3,4,5	Dust/Fumes/Particulates	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B2 Dust: JSAs 1,2,4,5,6
<input checked="" type="checkbox"/>	3,4,5,6	Job Zone Control	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B3 Job Zone Control; All JSAs
<input checked="" type="checkbox"/>	3,4,5,6	Heat	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B4 Heat: All JSAs
<input type="checkbox"/>	3,4,5,6	Cold	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B5 Cold; All JSAs
<input type="checkbox"/>	1,3,4,5,6	Severe Weather	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B6 Severe Weather: All JSAs
<input checked="" type="checkbox"/>	3,4,5,6	Walking/Working Surfaces	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
<input checked="" type="checkbox"/>	4,5,6	Noise	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B8 Noise: All JSA's
<input checked="" type="checkbox"/>	5,6	Live Electrical Equipment	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B14 Live Electrical Equip: JSA 5,6,9
<input type="checkbox"/>	4,5	Poor Lighting	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
<input checked="" type="checkbox"/>	4,5,6	Overhead Hazards	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B15 Overhead Hazards: JSA 2,5,6
<input checked="" type="checkbox"/>	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B17 Traffic Management: All JSA
<input checked="" type="checkbox"/>	5,6	Heavy machinery/drill rigs	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B18 Heavy Machinery: JSA 4,5

Project: BASF Facility Cranston, RI Date (8/30)	<h2 style="margin: 0;">DAILY SAFE WORK FORM</h2>	SES (Page 5 of 6)
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Tasks, Potential Hazards, and Recommended Actions or Procedures				
Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
<input checked="" type="checkbox"/>	5,6	Trenching/Excavation	NA <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B19 Trenching/Excavation:JSA 4,5,6,8
<input checked="" type="checkbox"/>	1,3,4,5,6	Vehicle use	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B20 Vehicle Use: All JSA
<input type="checkbox"/>	2,3	Work near/on water	NA <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B21 Work Near/On Water: JSA 1
<input type="checkbox"/>	4,5	Elevated heights (<4ft)	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B22 Working from Heights (<4 feet)
<input type="checkbox"/>	4,5	Elevated heights (>4ft)	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B23 Working from Heights (>4 feet)
<input checked="" type="checkbox"/>	5,6	Overhead/underground utilities	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B24 Overhead/Underground Utilities: JSA 1,3,4
<input checked="" type="checkbox"/>	4,5,6	Powered hand tools	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B25 Electrically Powered Equipment and Tools: JSA 9
<input type="checkbox"/>	4,5,6	Electrically powered equipment	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B25 Electrically Powered Equipment and Tools: JSA 9
<input checked="" type="checkbox"/>	4,5,6	Cutting devices/tools	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B26 Cutting Devices/Tools; JSA 9
<input checked="" type="checkbox"/>	4,5	Drums, cylinders, containers	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B1 Chemical: JSA 4
<input checked="" type="checkbox"/>	3,4,5,6	Material handling, ergonomics	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B29 Material Handling/Ergonomics: JSA 2,6,7,9
<input checked="" type="checkbox"/>	3,5,6	Poisonous/irritating plants	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B32 Plants and Animals: All JSAs
<input checked="" type="checkbox"/>	4,5,6	Insects/rodents/snakes	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B32 Plants and Animals; All JSAs
<input checked="" type="checkbox"/>	3,5,6	Ticks, mosquitos	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B32 Poisonous Plants, Animals, and Insects; All JSA
<input type="checkbox"/>	1,3,4,5,6	Employees working early/late	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B34 Personal Safety; All JSAs
<input type="checkbox"/>	Note:A single hazard may be listed under several Tasks. In this case, use the highest Severity ranking of the tasks evaluated as the overall ranking.			

Description of Any Additional Activities, And Associated Health and Safety Risks and Protective Procedures/Equipment:

BASF
180 Mill Street, Lot 1102
Cranston, RI

Date	Name	Company Name	Time In	Time out
8/30	BRAND DOUGHERTY	SES	0630	1530
8/30	Brian Ruff	SRI	06:30	1530
8/30	Billy Simpson	SES	0630	1230
8/30	Andrew Hayes	SES	0630	1530
8/30	Mike Janros	SES	0630	1530
8/30	Dennis Bergeron	SES	0630	1530
8/30	John Sepia	SES	0630	1530
8/30	Robert Medaglia	AET	0630	1545
8/30	Joseph Drebaum	AET	06:30	1545
8/30	Arnon Ting	AET	0630	1530
8/30	Stephanie Hall	JES	700	1130

DAILY PROJECT REPORT

Project: BASF, Lot 1102
180 Mill Street
Cranston, RI

Submitted By: Aaron C. Ting

Signature: 

Date: 8/31/2018



Weather: Partly Cloudy

Daily

Precipitation: 0"

Temp: 70-66

(Hi - low)

PERSONNEL/EQUIPMENT		
Contractor	No.	Owner/Representative: N/A
	3 Superintendent	
	1 Foremen	
	H&S/QA Officer	
	3 Operators	AEI Personnel: Aaron Ting 1
	1 Laborers	Joe Drebaum 1
	Other Trades (Surveyor)	Robert Medaglio 1
		Rick Kowalski 1
SubContractor	No. Company/Firm	Visitors On Site: N/A
	1 Diprete (surveyor)	
	13 Total Personnel On Site	
MAJOR EQUIPMENT: 2 support trucks, Bobcat 289D skid steer, CAT 321C/322 excavators CAT 996H Loader, 20-yard metal recycling container, United Rentals 5 cy dump truck, 20-cy dump trailer 2-trash/recycling bins, 2-100 yd rail cars hoe ram, 4,000 gallon baffle and 10,000 gallon frac tank EQUIPMENT/MATERIALS RECEIVED:		
WORK COMPLETED: SES continued excavations to remove soils designated as Type 2C. Soils removed, transported via loader to temporary stockpile area on Lot 1102. Soils excavated from each excavation area were separated into distinct stockpiles. Excavation stake locations include: - 486 - 489 (3' depth); - 329 - 332 (3' depth); - 422-425 (7' depth); - 413, 416, 418, 406 (7' depth); Concrete removed from excavations were comingled with soils. Continued using the hoe ram to break up concrete foundation walls and slabs to achieve target excavation limits/depths per plan. AEI collected post excavation samples for Dexsil and laboratory analysis. Approximately, 29 cubic yards of Type 2A, 43.5 cy of Type 2B, and 7 cy of Type 2C soils were excavated and transported to the temporary stockpile location on Lot 1102 or across the street to the temporary stockpile area on Lot 2682. AEI set up and calibrated perimeter dust monitors. No dust alerts were observed at the site perimeter monitors. SES continued to use water to control fugitive dust emissions and increased watering of equipment tracking area to control dust generation when vehicles moving around property. AEI escorted surveyor to survey excavation areas, post excavation locations and other site features. AEI/SES conducted a weekly project progress meeting. SES covered stockpiles and surrounded by haybales at the end of the workday. SES managing stockpiles and surrounding deeper excavations (>3') with staked orange snow fence. SES used a higher strength tarp to cover the 2B soils on Lot 2682 due to the rebar and other debris puncturing the 6-mil poly. HEALTH & SAFETY: AEI has reviewed SES's Safe Work Form/Pre-Task Plan for today, and verifies, by signing below, that these documents comply with the procedures and content of SES's HASP. AEI Signature:  SES/AEI conducted daily H&S tailgate meeting to review work scope and safety precautions/JSAs associated with safe work practices. See SES SWP/PTP for topics discussed and issues raised. ISSUES/CHANGES/RESOLUTIONS: N/A DISCUSSIONS/CLIENT DIRECTION: N/A		



DAILY WORKSHEET

Date: 8/31/18

Project Number: 18-0315

FRIDAY

CLIENT / SITE INFORMATION

Name: BASF

Address: 180 MILL ST.

CRANSTON, RI

Contact: AARON (AEI)

PROJECTS NOTES

HELD HHS MEETING / REVIEW SOWS W/ AEI / HELD PROTECT PROGRESS MEETING /
CONT. EXCAVATION + HAMMERING IN 2A, 2B, 2C CELLS / QUANTITIES LISTED ON EXC. MATERIAL
MANAGEMENT SHEET / TIREW TRACK IN SKID STEER + BROKEN WINDOW - REPAIRED / TOOK DELIVERY
OF 40 LINERS / PICKED UP FITTING FOR WATER METER / ORDERED ROCK TRUCK +
EXCAVATOR FOR TDES. DELIVERY / RECEIVED SAMPLE JARS FROM ⁵³³ FOR WIFE SAMPLE
OF DUMP + RIRRC. COVERED STOCKPILES W/ TARPSTOUT / SECURED SITE FOR LONG WOKND.

LABOR

MATERIALS / EQUIPMENT / TOOLS

Name	Position	Travel	On-site	Off-Site	Travel	Quantity	Item / Description
R. DOUGHERTY	SDP		030				PPE Level: A B C (D)-MOD.
M. JAMROS	FT			1530		2	SERVICE VEH.
D. BERGERON	OP			1530		1	SITE TRAILER/RESTROOM/SINK
B. RDE	OP/DE			1530		1	GENERATOR
J. SZPILA	OP			1530		1	CONNEX BOX
						2	EXCAVATORS (32K/322L) HAMMER
						1	SKID STEER (28AD) w/ FORKS
						1	LOADER (966H)

SUBCONTRACTORS

FW WEBB - METER FITTINGS.	2	ROLL OFF TRUCK
FED EX - LINERS	2	ROLL OFF CANS (METAL 409NEE/28063T, P4E)
MECHAN FUEL	1	FRAC TANKS (LRT 2WCH/10WOSC)
	2	DUMP TRUCK (UR10558256)
	2	TRASH DUMPSTERS (4YDEA)
	5	HYDRATION
	6	FIRE HOSE 1.5" x 50' w/ NOZZLE
	4 ea.	TYVEK SUITS
	2	WATER METERS (PROV. WATER)

WEATHER OBSERVATIONS

SUNNY 75°

Project Manager's Signature: _____

Client's Signature: _____

Project:
BASF Facility
Cranston, RI
Date (8/30)

SES, Sutton, MA
(Page 1 of 6)

Servicing or Maintenance Work Description	
Description of Work: CMI Implementation Project	
Start Date / Time: (Date) (Time) 8/30 0630	
Location of Work	180 Mill Street, Cranston, RI

Strategic Environmental Services, Inc. (SES)
Primary/Lead Company Name: SES
Contact Person: **FRAN DOUGHERTY**
Contact phone # **(508) 579-2565**

Health and Safety (H&S) Plan (HASP) Signatures
Sign-off sheet attesting that the HASP has been made available and reviewed by the individual prior to entry into the site, and/or daily H&S briefing. All personnel participating in the project must receive initial Health and Safety Orientation. Thereafter, a tailgate safety meeting is required daily, and as otherwise deemed necessary by the Site Health and Safety Officer. By signing below, an individual certifies that he has read, understood, and will observe the contents of this HASP and Daily Safe Work Form with Pre-Task Planning Form.

Health and Safety Meeting			
Date	Name of Attendee (Print)	Company	Initials
8/31	Mike James	SES	MD
8/31	RYAN DOUGHERTY	SES	RD
8/31	Joseph Dreham	AET	JD
8/31	Robert Medaglia	AET	RM
8/31	Aaron Tang	AET	ACT
8/31	Dennis Bergeron	SES	DB
8/31	Brian Kue	SES	BK
8/31	John Szepka	SES	JS
8/31	Rick Krasinski	AET	RK
8/31	Paul Maddock	SES	PM
8/31	Paul Sacumbe	SES	PS
8/31	Paul Hartman	SES	PH
8/31	Kel Tanciller	Dipreco	ELT

[illegible]

Project:
BASF Facility
Cranston, RI
Date (8/31)

DAILY SAFE WORK FORM

SES
 (Page 2 of 4)

Type of Equipment/Vehicles/Motorized Equipment

<input checked="" type="checkbox"/> Field Service Trailer	<input checked="" type="checkbox"/> Roll-off Tractor Truck
<input checked="" type="checkbox"/> Excavators	<input checked="" type="checkbox"/> Roll-off containers
<input checked="" type="checkbox"/> Loader	<input checked="" type="checkbox"/> Dump Truck/Triaxle
<input type="checkbox"/> Track Dozer	<input type="checkbox"/> Dump Trailers
<input checked="" type="checkbox"/> Skid Steer Loader	<input checked="" type="checkbox"/> Pickup Utility Trucks
<input checked="" type="checkbox"/> Frac Tank	<input type="checkbox"/> Sump Pump
<input checked="" type="checkbox"/> Generator	<input type="checkbox"/> Trench Box
<input type="checkbox"/> Water Buffalo	<input type="checkbox"/> NaOH Storage Tank
<input type="checkbox"/> Sawzail	<input type="checkbox"/> Other (list)

This work also requires the use of the permits or documents checked below

<input checked="" type="checkbox"/> PROJECT-SPECIFIC HASP
<input type="checkbox"/> LOCK-OUT, TAG-OUT PERMIT
<input checked="" type="checkbox"/> PRE-TASK PLANNING FORM
<input type="checkbox"/> CONFINED SPACE ENTRY PERMIT
<input type="checkbox"/> OTHERS (LIST)

Anticipated Project Risks and Hazards Identification Identify the source/s used and include necessary specific information (See Daily Pre-Task Plan for day-specific information)

Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
X		Pre-work Inspection of the work site	See SES HASP
X		MSDS review / includes any 'new' chemicals	MSDS Sheets Provided in HASP
	X	Crane Operations	
	X	Elevated Work	
X		Environmental Conditions	See SES HASP
X		Heavy Powered Mobile Equipment Use	Excavators to load soil into trucks, truck traffic
	X	Language / Communication Difficulties	
X		Materials to be used	See Pre-Task Plan
	X	Overhead Work / Rigging	
	X	Special Equipment to be used	
X		Trenching / Excavation	See SES HASP
	X	Utilities System tie-in / restrictions	
X		Other Risks or Hazards	PCB/VOC-contaminated soils; Sodium Persulfate

Anticipated Project Required Precautions & Protective Measures Be sure that each identified Risk or Hazard is addressed (See Daily Pre-Task Plan for day-specific information)

Need	N/A	Area	Specific measures that are required
X		Access & Egress Plans (People & Equipment)	To be developed on site with SES work crew
	X	Barricades needed	
	X	BASF equipment / materials to be used	
	X	Electrical safety equipment required	
	X	Elevator use	
X		Emergency Equipment	See SES HASP
X		Emergency Plans / Emergency Responder	See SES HASP
	X	Fall protection	
X		First Aid / Medical Treatment provisions	See SES HASP
	X	HOT WORK Procedure requirements	
	X	HVAC System requirements	
	X	LINE-BREAKING procedure requirements	
	X	Scaffolds / decking	
X		Temporary electrical power	See SES HASP
	X	Temporary Utilities services	
X		Trench / Excavation Boxes	See SES HASP

Project:
BASF Facility
Cranston, RI
Date (8/31)

DAILY SAFE WORK FORM

SES
(Page 3 of 6)

Other Requirements

Required Personal Protective Equipment (PPE) Identify the source/s used and check the appropriate boxes

<input type="checkbox"/> PPE GRID <input checked="" type="checkbox"/> MSDS <input type="checkbox"/> BASF Knowledge <input type="checkbox"/> Work Provider Knowledge <input type="checkbox"/> Prior SWP		
YES	NO	ITEM
X		Hardhat (either) <input type="checkbox"/> Fiberglass <input checked="" type="checkbox"/> Plastic
X		Safety Glasses, ANZI-rated, side shields
	X	Goggles <input type="checkbox"/> Chemical <input type="checkbox"/> Dust
	X	Faceshield
X		Hearing Protection <input checked="" type="checkbox"/> Plugs <input type="checkbox"/> Muffs
	X	Respirator <input type="checkbox"/> Half-mask <input type="checkbox"/> Full-face
	X	Dust Mask
	X	Fire Retardant Electrical Clothing
X		Eyewash Station
X		Tyvek Suits
		Other PPE (list)

YES	NO	Item
	X	Rain Suit <input type="checkbox"/> Jacket <input type="checkbox"/> Pants
	X	Chemical Suit <input type="checkbox"/> Jacket <input type="checkbox"/> Pants
	X	Personal Fall Protection Equipment
X		Gloves <input checked="" type="checkbox"/> Chemical <input type="checkbox"/> Work
X		Long sleeve shirt and steel toed boots with steel shank
X		Boots <input type="checkbox"/> Rubber <input checked="" type="checkbox"/> Other
	X	Welding Protection
	X	Retrieval System for Confined Spaces
X		Mobile phone or radios
X		Insect repellent, sunscreen
X		High-visibility, reflective vest

Training Requirements

Need	N/A	Area
X	X	BASF Safety Orientation (if required)
X		MSDS Reviews
X		Review of precautions listed above per SES HASP
X		Review of required PPE
		Other training (specify) –

Project: BASF Facility Cranston, RI Date (8/31)	DAILY SAFE WORK FORM	SES (Page 4 of 6)
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STRATEGIC ENVIRONMENTAL SERVICES PRE-TASK PLAN (PTP)	PROJECT / JOB / TASK (Description): BASF Cranston/CMI Implementation SES SUPERVISOR: RYAN DOUGHERTY	LOCATION: 180 Mill Street, Cranston, RI	DATE 8/31
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Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task List (Check off AND Circle today's activities)	
<input type="checkbox"/>	Task 1 - Permitting
<input type="checkbox"/>	Task 2 – Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
<input checked="" type="checkbox"/>	Task 3 – Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
<input checked="" type="checkbox"/>	Task 4 – Transportation and Disposal of Contaminated Material
<input type="checkbox"/>	Task 5 – Backfilling and Grading/Geotextile and Vegetation Placement
<input type="checkbox"/>	Task 6 - Demobilization

Tasks, Potential Hazards, and Recommended Actions or Procedures				
Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard / Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
<input checked="" type="checkbox"/>	3	Chemical Hazards	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B1 Chemical: JSA 10
<input checked="" type="checkbox"/>	3,4,5	Dust/Fumes/Particulates	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B2 Dust: JSAs 1,2,4,5,6
<input checked="" type="checkbox"/>	3,4,5,6	Job Zone Control	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B3 Job Zone Control; All JSAs
<input checked="" type="checkbox"/>	3,4,5,6	Heat	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B4 Heat: All JSAs
<input type="checkbox"/>	3,4,5,6	Cold	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B5 Cold; All JSAs
<input type="checkbox"/>	1,3,4,5,6	Severe Weather	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B6 Severe Weather: All JSAs
<input checked="" type="checkbox"/>	3,4,5,6	Walking/Working Surfaces	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
<input checked="" type="checkbox"/>	4,5,6	Noise	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B8 Noise: All JSA's
<input checked="" type="checkbox"/>	5,6	Live Electrical Equipment	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B14 Live Electrical Equip: JSA 5,6,9
<input type="checkbox"/>	4,5	Poor Lighting	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
<input checked="" type="checkbox"/>	4,5,6	Overhead Hazards	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B15 Overhead Hazards: JSA 2,5,6
<input checked="" type="checkbox"/>	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B17 Traffic Management: All JSA
<input checked="" type="checkbox"/>	5,6	Heavy machinery/drill rigs	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B18 Heavy Machinery: JSA 4,5

Project: BASF Facility Cranston, RI Date (8/31)	DAILY SAFE WORK FORM	SES (Page 5 of 6)
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Tasks, Potential Hazards, and Recommended Actions or Procedures				
Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
<input checked="" type="checkbox"/>	5,6	Trenching/Excavation	NA <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B19 Trenching/Excavation: JSA 4,5,6,8
<input checked="" type="checkbox"/>	1,3,4,5,6	Vehicle use	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B20 Vehicle Use: All JSA
<input type="checkbox"/>	2,3	Work near/on water	NA <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B21 Work Near/On Water: JSA 1
<input type="checkbox"/>	4,5	Elevated heights (<4ft)	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B22 Working from Heights (<4 feet)
<input type="checkbox"/>	4,5	Elevated heights (>4ft)	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B23 Working from Heights (>4 feet)
<input checked="" type="checkbox"/>	5,6	Overhead/underground utilities	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B24 Overhead/Underground Utilities: JSA 1,3,4
<input type="checkbox"/>	4,5,6	Powered hand tools	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B25 Electrically Powered Equipment and Tools: JSA 9
<input type="checkbox"/>	4,5,6	Electrically powered equipment	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B25 Electrically Powered Equipment and Tools: JSA 9
<input type="checkbox"/>	4,5,6	Cutting devices/tools	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B26 Cutting Devices/Tools; JSA 9
<input checked="" type="checkbox"/>	4,5	Drums, cylinders, containers	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B1 Chemical: JSA 4
<input checked="" type="checkbox"/>	3,4,5,6	Material handling, ergonomics	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B29 Material Handling/Ergonomics: JSA 2,6,7,9
<input checked="" type="checkbox"/>	3,5,6	Poisonous/irritating plants	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B32 Plants and Animals: All JSAs
<input checked="" type="checkbox"/>	4,5,6	Insects/rodents/snakes	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B32 Plants and Animals; All JSAs
<input checked="" type="checkbox"/>	3,5,6	Ticks, mosquitos	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B32 Poisonous Plants, Animals, and Insects; All JSA
<input type="checkbox"/>	1,3,4,5,6	Employees working early/late	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B34 Personal Safety; All JSAs
<input type="checkbox"/>	Note: A single hazard may be listed under several Tasks. In this case, use the highest Severity ranking of the tasks evaluated as the overall ranking.			

Description of Any Additional Activities, And Associated Health and Safety Risks and Protective Procedures/Equipment:

Excavated Materials Management Sheet

Excavation Date:	Source Location (station, offset, etc.) Cross- Ref w/ Map:	Excavation Volume	Soil Stockpile Designation	Reuse on/off- site or Off-site	Disposal Facility	Re-Use Date
8/27	CELL-408,407,406,418 HEAVY DEBRIS 20X20X6 (2B)	41 YDS. R-2 D-1	LOT 2682 STOCKPILE			
8/27	CELL-416,404,405,406 20X20X2 (2B)	41 YDS. R-2 D-1	LOT 2682 STOCKPILE			
8/27	CELL-413,417,410,418 20X20X2 (2B)	46 YDS. R-2 D-2	LOT 2682 STOCKPILE			
8/27	CELL-374,360,350,375 CONCRETE SLAB 20X60X3 (2B)	43.5 YDS. D-2 T-171.5	LOT 2682 STOCKPILE			
8/28	CELL-374,360,350,375 CONCR. CONCRETE+SOIL 20X60X3 (2B)	43 YDS. R-1 D-5	LOT 2682 STOCKPILE			
8/28	CELL 350,376,348,349 CONCRETE+SOIL 15X10X3 (2B)	12.5 YDS. 16.45 TON	//			
8/28	CELL 335-338 CONCRETE 16X10X3 (2B)	8.5 YDS. 11.45 TON	//			
8/29	CELL 350,376,348,349 CONCR. CONCRETE 15X10X3 (2B)	3.5 YDS. 4.9 TONS	//			
8/29	CELL 335-338 CONCR. CONCRETE 10X10X3 (2B)	3.5 YDS. 4.85	//			


Excavated Materials Management Sheet

Excavation Date:	Source Location (station, offset, etc.) Cross- Ref w/ Map:	Excavation Volume	Soil Stockpile Designation	Reuse on/off- site or Off-site	Disposal Facility	Re-Use Date
8/29	CELL 329-332 CONCRETE+SOIL 10X10X3 (2B)	7 YDS. 10.5 TON	//			
8/29	CONCRETE PILE (2B)	30 YDS. 40.5 TON	//			
8/29	CELL-475, 476, 469, 470, 477 (2C)	14.26 YDS. 19.25 TON	//			
8/30	CELL-339, 333, 334, 335 EXPOSE CONCRETE/LOAD SOIL 20X20X3 (2A)	45 YDS. 61.05 TONS	STOCKPILED IN LOT 1102 (SEPERATED)			
8/30	CELL-352, 353, 359, 361, 360, 356 20X40X40X2 (2A)	29.5 YDS. 39.8 TONS	STOCKPILED IN LOT 1102 (SEPERATED)			
8/31	CELL-486/489 CONC. + SOIL 10X10X3 (2A)	29 YDS. 38.75 TON	STOCKPILED LOT 1102 (SEPERATED)			
8/31	CELL-329-332 CONCRETE 10X10X3 (2B)	4.5 YDS. 5.87 TON	LOT 2682 STOCK PILE.			
8/31	CELL 422-425 CONCRETE+SOIL 20X20X7 (2B)	39 YDS 52.9 TON	LOT 2682 STOCKPILE			
8/31	CELL-413, 416, 418, 406 CONCRETE + SOILS 20X20X7 (2C)	7 YDS. 9.4 TON	LOT 2682 STOCK PILE.			

BASF
180 Mill Street, Lot 1102
Cranston, RI

Date	Name	Company Name	Time In	Time out
8/31	RYAN DOUGHERTY	SES	0630	1615
8/31	Mike JAMPOS	SES	0630	1530
8/31	Joseph Jackson	AEI	06:30	1545
8/31	Robert Medaglia	AEI	06:30	1545
8/31/18	Aaron Ting	AEI	0630	1600
8-31-18	Dennis Bergeron	SES	0630	1530
8/31/18	Brian Roz	SES	06:30	1530
8/31/18	John Sepala	SES	0630	1530
8/31/18	Rach Kowalski	AEI	0815	11:05
8/31/18	Ross Archer	SES	0800	0900
8/31/18	Bob Madlitz	SES	0800	10:30
8/31/18	Paul Scurto	SES	0800	10:30
8/31/18	Earle Tammello	Diprete	10:30	2:15

AEL
Consultants

Submitted By: Aaron C. Ting
Signature: 
Date: 9/4/2018

Daily
Precipitation: 0" Temp: 88-71
(Hi - low)

PERSONNEL/EQUIPMENT		
Contractor No.		Owner/Representative: N/A
1 Superintendent	SES	
1 Foremen	SES	
H&S/QA Officer		AEI Personnel: Aaron Ting 1
5 Operators	SES	Joe Drebaum 1
1 Laborers	SES	Robert Medaglio 1
Other Trades (Surveyor)		
SubContractor No.	Company/Firm	Visitors On Site: N/A
11 Total Personnel On Site		
MAJOR EQUIPMENT:		
2 support trucks, Bobcat 289D skid steer, CAT 321C/322 excavators		
CAT 996H Loader, 20-yard metal recycling container,		
United Rentals 5 cy dump truck, 20-cy dump trailer		
2-trash/recycling bins, 2-100 yd rail cars		
hoe ram, 4,000 gallon baffle and 10,000 gallon frac tank		
WORK COMPLETED:		
SES continued excavations to remove soils designated as Type 2C. Soils removed, transported via 20cy dump trailer and temporarily stockpiled on Lot 2682. Excavation stake locations include: - 406, 416, 413, 418 (7' depth); excavated to 7'; - began excavation of 470-474+474-471; sweet/strong odors at 5' depth, possible toluene solvent, soil held in can for future analytical. SES using water to control fugitive dust emissions. Approximately, 93 cubic yards of Type 2C soils were excavated and transported from Lot 1102 to 2682 for temporary stockpiling and future rail transport. SES assisted AEI with sample collection from deep excavations with excavator AEI set up and calibrated perimeter dust monitors. No dust monitors observed action levels exceeding during today's work. AEI conducted workzone monitoring when excavating Type 2C soils. No elevated dust action levels within the workzone were observed. SES used water to control fugitive dust emissions. SES managing stockpiles and surrounding deeper excavations (>3') with staked orange snow fence. SES used a higher strength tarp to cover the 2B soils on Lot 2682 due to the rebar and other debris puncturing the 6-mil poly. SES setup temporary fencing around 7'ex cavitation at end of day. SES sent wipe sample from 5cy dump truck to lab		
HEALTH & SAFETY:		
AEI has reviewed SES's Safe Work Form/Pre-Task Plan for today, and verifies, by signing below, that these documents comply with the procedures and content of SES's HASP. AEI Signature _____ SES/AEI conducted daily H&S tailgate meeting to review work scope and safety precautions/JSA's associated with safe work practices. See SE SWP/PTP for topics discussed and issues raised.		
ISSUES/CHANGES/RESOLUTIONS:		
N/A		
DISCUSSIONS/CLIENT DIRECTION:		
N/A		



DAILY WORKSHEET

Date: 9/4/18						Project Number: 180315	
TUESDAY							
CLIENT / SITE INFORMATION							
Name: BASF							
Address: 180 MILL ST. CRANSTON, RI							
Contact: AARON (AEI)							
PROJECTS NOTES							
<p>CONF. HELD HELD H+5 BRIEFING/REVIEWED SOW W/ AEI/CONT. SOIL EXCAVATIONS IN QC SOILS CELL 406-418 TO 7' DEPTH/AEI ^{SUPP}ORTED AEI IN SAMPLING SIDE WALLS + BOTTOM OF EXCAVATION/ DECONNED S/S TO MOVE TO RAIL SIDE OF LOT 2682 TO GRADE OUT FOR MEMBRANE/BEGAN SOIL EXC. OF QC SOILS IN CELLS (470-474 + 474-471) AT APPROX. DEPTH OF 5' STRONG SWEET ODORS BEGAN COMING FROM EXCAVATION/NOTIFIED AARON, WHO BROUGHT OUT PID - NO H+5 CONCERNS W/ PID READINGS/CONCERN FOR TSLA/ROCK MIX FOR SOIL DISPOSAL/POSSIBLE TOLUENE SOLVENT?) SOIL HELD IN CAN FOR FURTHER ANALYTICAL</p>							
LABOR * SENT WIPE SAMPLE OF DUMP TO LAB.						MATERIALS / EQUIPMENT / TOOLS	
Name	Position	Travel	On-site	Off-Site	Travel	Quantity	Item / Description
R. DOUGHERTY	SUP		0630	1600			PPE Level: A B C <u>D</u> MOD.
D. BERGERON	OP		1	1500		2	SERVICE VEH.
M. AYOTTE	DR		1	1500		1	SITE TRAILER/RESTROOM/SINK
K. SWEENEY	OP		1	1515		1	GENERATOR
J. SZPILA	OP		1	1515		1	CONNEX BOX
B. ROE	OP		1	1500		2	EXCAVATORS (321C/322U) HAMMER
C. MCCARTHY	FT		1	1515		1	SKID STEER (289D)
						1	LOADER (966H)
SUBCONTRACTORS						1	ROLL OFF TRUCK
						2	ROLL OFF CANS (METAL/409NER/280637R42)
						1	DUMP TRUCK (UR10558256)
						1 ROLL	6 MIL POLY
						3 EA.	6 MIL POLY BAGS
						6 EA.	CHKN BOOTS
						6 EA.	WHT TYVEK SUITS
						7 EA.	HYDRATION
						6 EA.	FIRE HOSE 1.5" x 50' w/ NOZZLE + METER
WEATHER OBSERVATIONS						Project Manager's Signature: _____	
SUNNY HOT. 90's						Client's Signature: _____	

Project: BASF Facility Cranston, RI Date (9/4)	<h2 style="margin: 0;">DAILY SAFE WORK FORM</h2>	SES (Page <u>2</u> of <u>6</u>)
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Type of Equipment/Vehicles/Motorized Equipment			
<input checked="" type="checkbox"/>	Field Service Trailer	<input checked="" type="checkbox"/>	Roll-off Tractor Truck
<input checked="" type="checkbox"/>	Excavators	<input checked="" type="checkbox"/>	Roll-off containers
<input checked="" type="checkbox"/>	Loader	<input checked="" type="checkbox"/>	Dump Truck/Triaxle
<input type="checkbox"/>	Track Dozer	<input type="checkbox"/>	Dump Trailers
<input checked="" type="checkbox"/>	Skid Steer Loader	<input checked="" type="checkbox"/>	Pickup Utility Trucks
<input checked="" type="checkbox"/>	Frac Tank	<input checked="" type="checkbox"/>	Sump Pump
<input checked="" type="checkbox"/>	Generator	<input type="checkbox"/>	Trench Box
<input type="checkbox"/>	Water Buffalo	<input type="checkbox"/>	NaOH Storage Tank
<input type="checkbox"/>	Sawzail	<input type="checkbox"/>	Other (list)

This work also requires the use of the permits or documents checked below	
<input checked="" type="checkbox"/>	PROJECT-SPECIFIC HASP
<input type="checkbox"/>	LOCK-OUT, TAG-OUT PERMIT
<input checked="" type="checkbox"/>	PRE-TASK PLANNING FORM
<input type="checkbox"/>	CONFINED SPACE ENTRY PERMIT
<input type="checkbox"/>	OTHERS (LIST)

Anticipated Project Risks and Hazards Identification Identify the source/s used and include necessary specific information (See Daily Pre-Task Plan for day-specific information)			
Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
X		Pre-work Inspection of the work site	See SES HASP
X		MSDS review / includes any 'new' chemicals	MSDS Sheets Provided in HASP
	X	Crane Operations	
	X	Elevated Work	
X		Environmental Conditions	See SES HASP
X		Heavy Powered Mobile Equipment Use	Excavators to load soil into trucks, truck traffic
	X	Language / Communication Difficulties	
X		Materials to be used	See Pre-Task Plan
	X	Overhead Work / Rigging	
	X	Special Equipment to be used	
X		Trenching / Excavation	See SES HASP
	X	Utilities System tie-in / restrictions	
X		Other Risks or Hazards	PCB/VOC-contaminated soils; Sodium Persulfate

Anticipated Project Required Precautions & Protective Measures Be sure that each identified Risk or Hazard is addressed (See Daily Pre-Task Plan for day-specific information)			
Need	N/A	Area	Specific measures that are required
X		Access & Egress Plans (People & Equipment)	To be developed on site with SES work crew
	X	Barricades needed	
	X	BASF equipment / materials to be used	
	X	Electrical safety equipment required	
	X	Elevator use	
X		Emergency Equipment	See SES HASP
X		Emergency Plans / Emergency Responder	See SES HASP
	X	Fall protection	
X		First Aid / Medical Treatment provisions	See SES HASP
	X	HOT WORK Procedure requirements	
	X	HVAC System requirements	
	X	LINE-BREAKING procedure requirements	
	X	Scaffolds / decking	
X		Temporary electrical power	See SES HASP
	X	Temporary Utilities services	
X		Trench / Excavation Boxes	See SES HASP

Project: BASF Facility Cranston, RI Date (<u>9/4</u>)	<h2 style="margin: 0;">DAILY SAFE WORK FORM</h2>	SES (Page <u>3</u> of <u>6</u>)
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Other Requirements	
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Required Personal Protective Equipment (PPE) Identify the source/s used and check the appropriate boxes											
		<input type="checkbox"/> PPE GRID		<input checked="" type="checkbox"/> MSDS		<input type="checkbox"/> BASF Knowledge		<input type="checkbox"/> Work Provider Knowledge		<input type="checkbox"/> Prior SWP	
YES	NO	ITEM				YES	NO	Item			
<input checked="" type="checkbox"/>		Hardhat (either) <input type="checkbox"/> Fiberglass <input checked="" type="checkbox"/> Plastic					<input checked="" type="checkbox"/>	Rain Suit <input type="checkbox"/> Jacket <input type="checkbox"/> Pants			
<input checked="" type="checkbox"/>		Safety Glasses, ANZI-rated, side shields					<input checked="" type="checkbox"/>	Chemical Suit <input type="checkbox"/> Jacket <input type="checkbox"/> Pants			
	<input checked="" type="checkbox"/>	Goggles <input type="checkbox"/> Chemical <input type="checkbox"/> Dust					<input checked="" type="checkbox"/>	Personal Fall Protection Equipment			
	<input checked="" type="checkbox"/>	Faceshield				<input checked="" type="checkbox"/>		Gloves <input checked="" type="checkbox"/> Chemical <input type="checkbox"/> Work			
<input checked="" type="checkbox"/>		Hearing Protection <input checked="" type="checkbox"/> Plugs <input type="checkbox"/> Muffs				<input checked="" type="checkbox"/>		Long sleeve shirt and steel toed boots with steel shank			
	<input checked="" type="checkbox"/>	Respirator <input type="checkbox"/> Half-mask <input type="checkbox"/> Full-face				<input checked="" type="checkbox"/>		Boots <input type="checkbox"/> Rubber <input checked="" type="checkbox"/> Other			
	<input checked="" type="checkbox"/>	Dust Mask					<input checked="" type="checkbox"/>	Welding Protection			
	<input checked="" type="checkbox"/>	Fire Retardant Electrical Clothing					<input checked="" type="checkbox"/>	Retrieval System for Confined Spaces			
<input checked="" type="checkbox"/>		Eyewash Station				<input checked="" type="checkbox"/>		Mobile phone or radios			
<input checked="" type="checkbox"/>		Tyvek Suits				<input checked="" type="checkbox"/>		Insect repellent, sunscreen			
		Other PPE (list)				<input checked="" type="checkbox"/>		High-visibility, reflective vest			

Training Requirements		
Need	N/A	Area
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	BASF Safety Orientation (if required)
<input checked="" type="checkbox"/>		MSDS Reviews
<input checked="" type="checkbox"/>		Review of precautions listed above per SES HASP
<input checked="" type="checkbox"/>		Review of required PPE
		Other training (specify) –

Project: BASF Facility Cranston, RI Date (9/4)	DAILY SAFE WORK FORM	SES (Page 4 of 6)
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STRATEGIC ENVIRONMENTAL SERVICES	PROJECT / JOB / TASK (Description): BASF Cranston/CMI Implementation	LOCATION: 180 Mill Street, Cranston, RI	DATE 9/4/18
PRE-TASK PLAN (PTP)	SES SUPERVISOR: RYAN DOUGHERTY		

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task List (Check off AND Circle today's activities)	
<input type="checkbox"/>	Task 1 - Permitting
<input type="checkbox"/>	Task 2 - Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
<input checked="" type="checkbox"/>	Task 3 - Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
<input checked="" type="checkbox"/>	Task 4 - Transportation and Disposal of Contaminated Material
<input type="checkbox"/>	Task 5 - Backfilling and Grading/Geotextile and Vegetation Placement
<input type="checkbox"/>	Task 6 - Demobilization

Tasks, Potential Hazards, and Recommended Actions or Procedures				
Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
<input checked="" type="checkbox"/>	3	Chemical Hazards	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B1 Chemical: JSA 10
<input checked="" type="checkbox"/>	3,4,5	Dust/Fumes/Particulates	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B2 Dust: JSAs 1,2,4,5,6
<input checked="" type="checkbox"/>	3,4,5,6	Job Zone Control	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B3 Job Zone Control; All JSAs
<input checked="" type="checkbox"/>	3,4,5,6	Heat	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B4 Heat: All JSAs
<input type="checkbox"/>	3,4,5,6	Cold	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B5 Cold; All JSAs
<input type="checkbox"/>	1,3,4,5,6	Severe Weather	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B6 Severe Weather: All JSAs
<input checked="" type="checkbox"/>	3,4,5,6	Walking/Working Surfaces	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
<input checked="" type="checkbox"/>	4,5,6	Noise	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B8 Noise: All JSA's
<input checked="" type="checkbox"/>	5,6	Live Electrical Equipment	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B14 Live Electrical Equip: JSA 5,6,9
<input type="checkbox"/>	4,5	Poor Lighting	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
<input type="checkbox"/>	4,5,6	Overhead Hazards	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B15 Overhead Hazards: JSA 2,5,6
<input checked="" type="checkbox"/>	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B17 Traffic Management: All JSA
<input checked="" type="checkbox"/>	5,6	Heavy machinery/drill rigs	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B18 Heavy Machinery: JSA 4,5

Project: BASF Facility Cranston, RI Date (9/4)	<h2 style="margin: 0;">DAILY SAFE WORK FORM</h2>	SES (Page <u>5</u> of <u>6</u>)
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Tasks, Potential Hazards, and Recommended Actions or Procedures				
Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
<input checked="" type="checkbox"/>	5,6	Trenching/Excavation	NA <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B19 Trenching/Excavation: JSA 4,5,6,8
<input checked="" type="checkbox"/>	1,3,4,5,6	Vehicle use	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B20 Vehicle Use: All JSA
<input type="checkbox"/>	2,3	Work near/on water	NA <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B21 Work Near/On Water: JSA 1
<input checked="" type="checkbox"/>	4,5	Elevated heights (<4ft)	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B22 Working from Heights (<4 feet)
<input type="checkbox"/>	4,5	Elevated heights (>4ft)	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B23 Working from Heights (>4 feet)
<input checked="" type="checkbox"/>	5,6	Overhead/underground utilities	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B24 Overhead/Underground Utilities: JSA 1,3,4
<input checked="" type="checkbox"/>	4,5,6	Powered hand tools	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B25 Electrically Powered Equipment and Tools: JSA 9
<input checked="" type="checkbox"/>	4,5,6	Electrically powered equipment	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B25 Electrically Powered Equipment and Tools: JSA 9
<input checked="" type="checkbox"/>	4,5,6	Cutting devices/tools	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B26 Cutting Devices/Tools; JSA 9
<input checked="" type="checkbox"/>	4,5	Drums, cylinders, containers	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B1 Chemical: JSA 4
<input checked="" type="checkbox"/>	3,4,5,6	Material handling, ergonomics	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B29 Material Handling/Ergonomics: JSA 2,6,7,9
<input checked="" type="checkbox"/>	3,5,6	Poisonous/irritating plants	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B32 Plants and Animals: All JSAs
<input checked="" type="checkbox"/>	4,5,6	Insects/rodents/snakes	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B32 Plants and Animals; All JSAs
<input checked="" type="checkbox"/>	3,5,6	Ticks, mosquitos	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B32 Poisonous Plants, Animals, and Insects; All JSA
<input type="checkbox"/>	1,3,4,5,6	Employees working early/late	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B34 Personal Safety; All JSAs
<input type="checkbox"/>	Note: A single hazard may be listed under several Tasks. In this case, use the highest Severity ranking of the tasks evaluated as the overall ranking.			

Description of Any Additional Activities, And Associated Health and Safety Risks and Protective Procedures/Equipment:

Project: BASF Facility Cranston, RI Date (9/4)	DAILY SAFE WORK FORM	SES (Page 6 of 6)
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This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.

SESC Plan Inspection Report

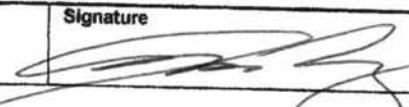
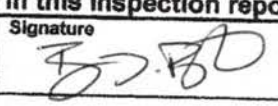
Project Information

Name	XXXXXXXXXX Former Ciba-Geigy Facility		
Location	180 Mill St, Cranston, RI (Plot 4, Lot 1102)		
DEM Permit No.	18-0048 / RIR101724		
Site Owner	Name Joseph Guarnaccia	Phone 973-245-5269	Email joseph.guarnaccia@basf.com
Site Operator	Name Evan Dougherty	Phone	Email rdougherty@strategic.com
Inspection Information			
Inspector Name	Name Aaron C. Ting	Phone 978-577-7138	Email ating@aeiconsultants.com
Inspection Date	9/4/2018		Start/End Time 0800-0830
Inspection Type	<input checked="" type="checkbox"/> Weekly <input type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input type="checkbox"/> Post-storm event <input type="checkbox"/> Other		
Weather Information			
Last Rain Event	Date: — Duration (hrs): — Approximate Rainfall (in): —		
Rain Gauge Location & Source:	onsite weather station		
Weather at time of this inspection:	Partly Cloudy, 75°F		

Check statement that applies then sign and date below:

☐ I, as the designated Inspector, certify that this site has been inspected as required by regulation and I have determined that maintenance and corrective actions are not required at this time.

☒ I, as the designated Inspector, certify that this site has been inspected as required by regulation and I have made the determination that the site requires corrective actions. The required corrective actions are noted within this inspection report.

Inspector:	Print Name Aaron C. Ting	Signature 	Date 9/4/18
The Site Operator acknowledges by his/her signature, the receipt of this SESC Plan inspection report and its findings. He/she acknowledges that all recommended corrective actions must be completed and documentation of all such corrective actions must be made in this inspection report per applicable regulations.			
Operator:	Print Name RYAN DOUGHERTY	Signature 	Date 9/4/18

Site-specific Control Measures

Number the structural and non-structural stormwater control measures identified in the SESC Plan and on the SESC Site Plans and list them below (add as necessary). Bring a copy of this inspection form and any applicable SESC Site Plans with you during your inspections. This list will assist you to inspect all control measures at your site.

FILL THIS TABLE USING THE SESC PLAN TABLES 2.11 & 3.12.

	Location/Station	Control Measure Description	Installed & Operating Properly?	Assoc. Photo/ Figure #	Corrective Action Needed (Yes or No; if 'Yes', please detail action required)
1	Construction Site exit incl. decon. pad	RIDOT Std Specs. R1 Soil Erosion and Sed. Control book	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	see photo log	
2	Project-wide including material stockpiles	Perimeter - compost filter socks (RIDOT 9.2.0) Stockpiles - hay/bales RIDOT Std Spec - 2014, 212 R1 SESC Handbook	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	see photo log	5 ft fence on SE site down. Informed SES. See corrective action log.
3	Project-wide including material stockpiles	Water for dust control/cover Stockpiles RIDOT Std Spec R1 SESC Handbook	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	see photo log	
4	Adjacent roads	Roads adjacent to construction site shall be clean at the end of each day	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	see photo log	
5	Project-wide	Pickup construction trash/debris	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	N/A	
6	Project-wide	Spill prevention / Spill containment measures	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	N/A	
7			<input type="checkbox"/> Yes <input type="checkbox"/> No		
8			<input type="checkbox"/> Yes <input type="checkbox"/> No		

General Site Issues

Below are some general site issues that should be assessed during inspections. Please customize this list as needed for conditions at the site.

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
1	Have all control measures been installed as specified in the RISESC Handbook and prior to any earth disturbing activities?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
2	Are appropriate limits of disturbance (LOD) established?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
3	Are controls that limit runoff from exposed soils by diverting, retaining, or detaining flows (such as check dams, sediment basins, etc.) in place?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
4	Are all temporary conveyance practices installed correctly and functioning as designed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
5	Has maintenance been performed as required to ensure continued proper function of all temporary conveyances practices?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
6	Were all exposed soils seeded by October 15 th ?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
7	Have soils been stabilized where earth disturbance activities have permanently or temporarily ceased on any portion of the site and will not resume for more than 14 days?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
8	In instances where adequate vegetative stabilization was not established by November 15 th , have non-vegetative erosion control measures must be employed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
9	If work is to continue from October 15 th through April 15 th , are steps taken to ensure that only the day's work area will be exposed and all erodible soil is stabilized within 5 working days?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
10	Have inlet protection measures (such as fabric drop inlet protection, curb drop inlet protection, etc.) been properly installed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
11	Has the operator cleaned and maintained inlet protection measures when needed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
12	Has the operator removed accumulated sediment adjacent to inlet protection measures within 24 hours of detection?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
13	Has the operator properly installed outlet protection (such as riprap, turf mats, etc.) at all temporary and permanent discharge points?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
14	Are all outlet protection measures functioning properly in order to reduce discharge velocity, promote infiltration, and eliminate scour?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
15	Have all discharge points been inspected to ensure the prevention of scouring and channel erosion?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
16	Have sediment controls been installed along perimeter areas that will receive stormwater from earth disturbing activities?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
17	Is the operator maintaining sediment controls in accordance with the requirements in the RI SESC Handbook?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
18	Have temporary sediment barriers been installed around permanent infiltration areas (such as bioretention areas, infiltration basins, etc.)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
19	Have staging areas and equipment routing been implemented to avoid compaction where permanent infiltration areas will be located?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
20	Are surface outlet structures (such as skimmers, siphons, etc.) installed for each temporary sediment basin? [Exception: frozen conditions]	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
21	Have all temporary sediment basins or traps been inspected and maintained as required to ensure proper function?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
22	Does the project include the use of polymers, flocculants, or other chemicals to control erosion, sedimentation, or runoff from the site?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
23	Are all chemicals being managed in accordance with Appendix J of the RISESC Handbook and current best management practices?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
24	Has the site operator taken steps to prohibit the following pollutant discharges on the site?			
a	Contaminated groundwater.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
b	Wastewater from washout of concrete; unless properly contained, managed, and disposed of.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
c	Wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds, and other construction products.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
d	Fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
e	Soaps or solvents used in vehicle and equipment washing.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
f	Toxic or hazardous substances from a spill or other release.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
25	Is the operator using properly constructed entrances/exits to the site so sediment removal occurs prior to vehicles exiting?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
26	If needed, are additional controls (such as rumble strips, rattle plates, etc.) in place to remove sediment from tires prior to exiting?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
27	Is sediment track-out being removed by the end of the same workday in which it occurs (via sweeping, shoveling, or vacuuming)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
28	Are all wastes generated at the site being managed and properly disposed of by the end of each workday?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
29	Are all chemicals and hazardous waste materials stored properly in covered areas and surrounded by containment control systems?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
30	Has the operator established highly visible locations for the storage of spill prevention and control equipment on the construction site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
31	Are allowable non-stormwater discharges being managed properly with adequate controls?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
32	Is the site operator properly managing groundwater or stormwater that is removed from excavations, trenches, or similar points of accumulation?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
33	Are proper procedures and controls in place for the storage of materials that may discharge pollutants if	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		

PROJECT: Cranston, RI

INSPECTION DATE: 9/18/18

Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
exposed to stormwater?			
Are stockpiles located within the limits of disturbance?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Are stockpiles being protected from contact with stormwater using a temporary sediment barrier?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Where needed, has cover or appropriate temporary vegetative or structural stabilization been utilized for stockpiles?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Is the operator effectively managing the generation of dust through the use of water, chemicals, or minimization of exposed soil?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Are designated washout areas (such as wheel washing stations, washout for concrete, paint, stucco, etc.) clearly marked on the site?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
Are vehicle fueling and maintenance areas properly located to prevent pollutants from impacting stormwater and sensitive receptors?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
(Other)			

Add more as necessary:

PROJECT: Cranston RI

INSPECTION DATE: 9/5/18

General Field Comments: N/A

INSPECTION DATE: 9/25/18

TO BE FILLED OUT BY SITE OPERATOR

[illegible]

Page 8 of 12

INSPECTION REPORT REVISION DATE MM/DD/YYYY, V.#

Photos:

Photo #: 1



Station: North Site

Description: Decontamination pad located on Lot 1102

Photo #: 2



Station: North Site

Description: Temporary stockpiles, covered with poly/tarp and surrounded by haybales.

Photo #: 3



Station: North Site

Description: Construction access road leading to Mill St from Lot 1102. Adjacent roadway kept clean from any soil track-out from exiting vehicles/equipment.

Photo #: 4



Station: North Site

Description: CFS staked on northern property boundary.

Photo #: 5



Station: South Site

Description: Staked silt fence on south east side of Site.

Photo #: 6



Station: South Site

Description: CFS located on south side of Site.

Photo #: 7



Station: South Site

Description: Silt fence down on southeast side of site. Informed SES, who will restake and replace torn silt fence. See corrective action log.

BASF
180 Mill Street, Lot 1102
Cranston, RI

Date	Name	Company Name	Time In	Time out
9/4	RYAN DOUGHERTY	SES	0630	1600
9/4	Dennis Borgern	SES	0630	1500
9/4	MILKE Ayotte	SES	0630	1500
9/4	KEVIN Sweeney	SES	0630	1514
9/4	Robert Melnyk	AEI	0630	1615
9/4	Joseph Drebaun	AEI	06:30	16:15
9/4	John Spila	SES	0630	1515
9/4	Brian Rose	SES	06:30	15:00
9/4	Aaron Ting	AEI	0630	1630
9/4	Charles McCarthy Jr	SES	06:30	15:10
9/4	Bob Mahan	SES	0900	0945

DAILY PROJECT REPORT

Project: BASF, Lot 1102
180 Mill Street
Cranston, RI

Submitted By: Aaron C. Ting

Signature: _____

Date: 9/5/2018

AEI
Consultants

Weather: Sunny

Daily

Precipitation: 0"

Temp: 80-69

(Hi - low)

PERSONNEL/EQUIPMENT	
Contractor No.	Owner/Representative: <u>N/A</u>
____ Superintendent	
<u>1</u> Foremen	____
____ H&S/QA Officer	____
<u>1</u> H&S/QA Officer	____
<u>5</u> Operators	____
<u>1</u> Laborers	____
____ Other Trades (Surveyor)	____
SubContractor No.	Company/Firm
____	____
____	____
<u>12</u> Total Personnel On Site	____

MAJOR EQUIPMENT:

2 support trucks, Bobcat 289D skid steer, CAT 321C/322 excavators
CAT 996H Loader, 20-yard metal recycling container,
United Rentals 5 cy dump truck, 20-cy dump trailer
2-trash/recycling bins, 2-100 yd rail cars
hoe ram, 4,000 gallon baffle and 10,000 gallon frac tank

EQUIPMENT/MATERIALS RECEIVED:

CAT 725 Rock Truck, CAT 320E excavator

WORK COMPLETED:

SES leveled out and prepared rail side of lot 2682 for rubber liner, extended out containment area to support possible RCRA/STSCA soils. SES lined and loaded rail car #PW20018 with 87.75 ton soil, and rail car #PW30034 with 88.85 ton TSCA soil. SES noted two fire hydrants across street from lot 2682 were not operational, SES contacted water department.

SES using water to control fugitive dust emissions.

Approximately, 271 cubic yards of Type 2B/2C soils were excavated and transported from Lot 1102 to 2682 for temporary stockpiling and future rail transport.

SES continued to assist AEI with sample collection from deep excavations with excavator

AEI set up and calibrated perimeter dust monitors. No dust monitors observed action levels exceeding during today's work. SES managing stockpiles and surrounding deeper excavations (>3') with staked orange snow fence. SES used a higher strength tarp to cover the 2B soils on Lot 2682 due to the rebar and other debris puncturing the 6-mil poly.

AEI office health and safety officer (R. Palermo) conducted routine Health and Safety Audit. Observations to be provided in email to BASF and, as needed, corrected by field personnel.

SES collected waste characterization sample from odorous soils removed from Type 2C excavation. These soils have been stockpiles separately from other soil Types until results have been received.

HEALTH & SAFETY:

AEI has reviewed SES's Safe Work Form/Pre-Task Plan for today, and verifies, by signing below, that these documents comply with the procedures and content of SES's HASP."

AEI Signature: _____

SES/AEI conducted daily H&S tailgate meeting to review work scope and safety precautions/JSAs associated with safe work practices. See SES SWP/PTP for topics discussed and issues raised.

ISSUES/CHANGES/RESOLUTIONS:

N/A

DISCUSSIONS/CLIENT DIRECTION:

N/A



DAILY WORKSHEET

Date: 9/5/18						Project Number: 18-0315	
1 WEDNESDAY							
CLIENT / SITE INFORMATION							
Name: BASF							
Address: 180 MILL ST.							
CRANSTON, RI							
Contact: RICK (AEI)							
PROJECTS NOTES							
HELD HHS MEETING / REVIEWED SOW w/ AEI / DEDICATED (JS) OPERATOR TO AEI FOR SAMPLING DEEP EXCAVATIONS / EXCAVATOR / ^{321C} / LEVELED OUT + PREPARED RAIL SIDE OF LOT 2682 FOR RUBBER LINER EXTENDED OUT CONTAINMENT AREA TO SUPPORT POSSIBLE RCRA/TSCA SOILS / LINED AND LOADED OUT RAIL CAR #SBR0018 w/ - 87.75 TON + FV30034 w/ - 88.85 TON OF TSCA SOIL FOR TRANS / EXPECTED DELIVERY OF ROCK TRUCK + SES EXCAVATOR / REPORTED (2) RUSTED FIRE HYDRANTS TO PROV. WATER / SET BOTH FRAC TANKS ON SITE DECORATED LOADER FOR TRANS TO LOT 2682 / SENT OFF LAB SAMPLES FOR RCRA/TSCA SOILS.							
LABOR						MATERIALS / EQUIPMENT / TOOLS	
Name	Position	Travel	On-site	Off-Site	Travel	Quantity	Item / Description
R. DOUGHERTY	SUP		0630				PPE Level: A B C <u>D</u> - MOD.
K. SWEENEY	OP			1500		2	SERVICE VEH.
J. SZPILA	OP			1500		1	SITE TRAILER / RESTROOM / SINK
D. BERGERON	OP			1500		1	GENERATOR
M. AYOTE	DR			1500		1	CONNEX BOX
B. ROE	OP			1500		3	EXCAVATORS (321C / ^{THROW} 322L / 320E)
C. MCCARTHY	FT		0700	1515		1	SKID STEER (289D)
						1	LOADER (966H)
SUBCONTRACTORS						1	ROLL OFF TRUCK
TINIO - DELIVERY ROCK TRUCK + 320X						2	ROLL OFF CANS (METAL / ⁵⁰¹⁶ 409NER / 280637 R4R)
						1	ROCK TRUCK (CAT 725)
						2 ROL	20 MIL POLY
						3 ROL	40 MIL RUBBER MATTING
						4 EA	CHK BOOTS / WHT TYVEK
						7 EA	HYDRATION
						6 EA	FIRE HOSE 1.5" X 50' w/ NOZZLE + METER
WEATHER OBSERVATIONS						Project Manager's Signature:	
SUNNY MID 80's						Client's Signature:	

[illegible]

Project: BASF Facility Cranston, RI Date (9/5)	DAILY SAFE WORK FORM	SES (Page <u>2</u> of <u>6</u>)
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Project: BASF Facility Cranston, RI Date (9/5)	DAILY SAFE WORK FORM	SES (Page 3 of 6)
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Type of Equipment/Vehicles/Motorized Equipment			
<input checked="" type="checkbox"/>	Field Service Trailer	<input checked="" type="checkbox"/>	Roll-off Tractor Truck
<input checked="" type="checkbox"/>	Excavators	<input checked="" type="checkbox"/>	Roll-off containers
<input checked="" type="checkbox"/>	Loader	<input checked="" type="checkbox"/>	Dump Truck/Triaxle
<input type="checkbox"/>	Track Dozer	<input type="checkbox"/>	Dump Trailers
<input checked="" type="checkbox"/>	Skid Steer Loader	<input checked="" type="checkbox"/>	Pickup Utility Trucks
<input checked="" type="checkbox"/>	Frac Tank	<input checked="" type="checkbox"/>	Sump Pump
<input checked="" type="checkbox"/>	Generator	<input type="checkbox"/>	Trench Box
<input checked="" type="checkbox"/>	Water Buffalo	<input type="checkbox"/>	NaOH Storage Tank
<input type="checkbox"/>	Sawzail	<input type="checkbox"/>	Other (list)

This work also requires the use of the permits or documents checked below	
<input checked="" type="checkbox"/>	PROJECT-SPECIFIC HASP
<input type="checkbox"/>	LOCK-OUT, TAG-OUT PERMIT
<input checked="" type="checkbox"/>	PRE-TASK PLANNING FORM
<input type="checkbox"/>	CONFINED SPACE ENTRY PERMIT
<input type="checkbox"/>	OTHERS (LIST)

Anticipated Project Risks and Hazards Identification Identify the source/s used and include necessary specific information (See Daily Pre-Task Plan for day-specific information)			
Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
X		Pre-work Inspection of the work site	See SES HASP
X		MSDS review / includes any 'new' chemicals	MSDS Sheets Provided in HASP
	X	Crane Operations	
	X	Elevated Work	
X		Environmental Conditions	See SES HASP
X		Heavy Powered Mobile Equipment Use	Excavators to load soil into trucks, truck traffic
	X	Language / Communication Difficulties	
X		Materials to be used	See Pre-Task Plan
	X	Overhead Work / Rigging	
	X	Special Equipment to be used	
X		Trenching / Excavation	See SES HASP
	X	Utilities System tie-in / restrictions	
X		Other Risks or Hazards	PCB/VOC-contaminated soils; Sodium Persulfate

Anticipated Project Required Precautions & Protective Measures Be sure that each identified Risk or Hazard is addressed (See Daily Pre-Task Plan for day-specific information)			
Need	N/A	Area	Specific measures that are required
X		Access & Egress Plans (People & Equipment)	To be developed on site with SES work crew
	X	Barricades needed	
	X	BASF equipment / materials to be used	
	X	Electrical safety equipment required	
	X	Elevator use	
X		Emergency Equipment	See SES HASP
X		Emergency Plans / Emergency Responder	See SES HASP
	X	Fall protection	
X		First Aid / Medical Treatment provisions	See SES HASP
	X	HOT WORK Procedure requirements	
	X	HVAC System requirements	
	X	LINE-BREAKING procedure requirements	

Project: BASF Facility Wanston, RI Date (9/5)	DAILY SAFE WORK FORM	SES (Page <u>4</u> of <u>6</u>)
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	X	Scaffolds / decking	
X		Temporary electrical power	See SES HASP
	X	Temporary Utilities services	
X		Trench / Excavation Boxes	See SES HASP
		Other Requirements	

Required Personal Protective Equipment (PPE) Identify the source/s used and check the appropriate boxes											
		<input type="checkbox"/> PPE GRID		<input checked="" type="checkbox"/> MSDS		<input type="checkbox"/> BASF Knowledge		<input type="checkbox"/> Work Provider Knowledge		<input type="checkbox"/> Prior SWP	
YES	NO	ITEM				YES	NO	Item			
X		Hardhat (either) <input type="checkbox"/> Fiberglass <input checked="" type="checkbox"/> Plastic					X	Rain Suit <input type="checkbox"/> Jacket <input type="checkbox"/> Pants			
X		Safety Glasses, ANZI-rated, side shields					X	Chemical Suit <input type="checkbox"/> Jacket <input type="checkbox"/> Pants			
	X	Goggles <input type="checkbox"/> Chemical <input type="checkbox"/> Dust					X	Personal Fall Protection Equipment			
	X	Faceshield				X		Gloves <input checked="" type="checkbox"/> Chemical <input type="checkbox"/> Work			
X		Hearing Protection <input checked="" type="checkbox"/> Plugs <input type="checkbox"/> Muffs				X		Long sleeve shirt and steel toed boots with steel shank			
	X	Respirator <input type="checkbox"/> Half-mask <input type="checkbox"/> Full-face				X		Boots <input type="checkbox"/> Rubber <input checked="" type="checkbox"/> Other			
	X	Dust Mask					X	Welding Protection			
	X	Fire Retardant Electrical Clothing					X	Retrieval System for Confined Spaces			
X		Eyewash Station				X		Mobile phone or radios			
X		Tyvek Suits				X		Insect repellent, sunscreen			
		Other PPE (list)				X		High-visibility, reflective vest			

Training Requirements		
Need	N/A	Area
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	BASF Safety Orientation (if required)
X		MSDS Reviews
X		Review of precautions listed above per SES HASP
X		Review of required PPE
		Other training (specify) –

Project: BASF Facility Cranston, RI Date (9/5)	DAILY SAFE WORK FORM	SES (Page 5 of 6)
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STRATEGIC ENVIRONMENTAL SERVICES	PROJECT / JOB / TASK (Description): BASF Cranston/CMI Implementation	LOCATION: 180 Mill Street, Cranston, RI	DATE 9/5/18
PRE-TASK PLAN (PTP)		SES SUPERVISOR: RYAN DOUGHERTY	

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task List (Check off AND Circle today's activities)	
<input type="checkbox"/>	Task 1 - Permitting
<input type="checkbox"/>	Task 2 - Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
<input checked="" type="checkbox"/>	Task 3 - Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
<input checked="" type="checkbox"/>	Task 4 - Transportation and Disposal of Contaminated Material
<input type="checkbox"/>	Task 5 - Backfilling and Grading/Geotextile and Vegetation Placement
<input type="checkbox"/>	Task 6 - Demobilization

Tasks, Potential Hazards, and Recommended Actions or Procedures				
Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
<input checked="" type="checkbox"/>	3	Chemical Hazards	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B1 Chemical: JSA 10
<input checked="" type="checkbox"/>	3,4,5	Dust/Fumes/Particulates	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B2 Dust: JSAs 1,2,4,5,6
<input checked="" type="checkbox"/>	3,4,5,6	Job Zone Control	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B3 Job Zone Control; All JSAs
<input checked="" type="checkbox"/>	3,4,5,6	Heat	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B4 Heat: All JSAs
<input type="checkbox"/>	3,4,5,6	Cold	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B5 Cold; All JSAs
<input type="checkbox"/>	1,3,4,5,6	Severe Weather	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B6 Severe Weather: All JSAs
<input checked="" type="checkbox"/>	3,4,5,6	Walking/Working Surfaces	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
<input checked="" type="checkbox"/>	4,5,6	Noise	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B8 Noise: All JSA's
<input checked="" type="checkbox"/>	5,6	Live Electrical Equipment	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B14 Live Electrical Equip: JSA 5,6,9
<input type="checkbox"/>	4,5	Poor Lighting	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
<input checked="" type="checkbox"/>	4,5,6	Overhead Hazards	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B15 Overhead Hazards: JSA 2,5,6
<input checked="" type="checkbox"/>	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B17 Traffic Management: All JSA
<input checked="" type="checkbox"/>	5,6	Heavy machinery/drill rigs	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B18 Heavy Machinery: JSA 4,5
<input checked="" type="checkbox"/>	5,6	Trenching/Excavation	NA <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B19 Trenching/Excavation: JSA 4,5,6,8
<input checked="" type="checkbox"/>	1,3,4,5,6	Vehicle use	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B20 Vehicle Use: All JSA
<input type="checkbox"/>	2,3	Work near/on water	NA <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B21 Work Near/On Water: JSA 1
<input checked="" type="checkbox"/>	4,5	Elevated heights (<4ft)	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B22 Working from Heights (<4 feet)